

WAVE INFORMATION STUDIES OF US COASTLINES



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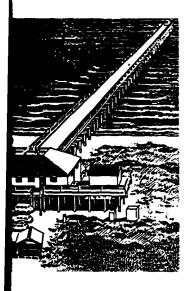
PACIFIC COAST HINDCAST PHASE III NORTH WAVE INFORMATION

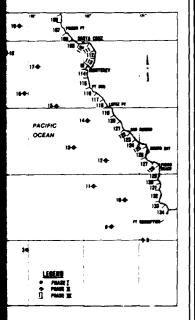
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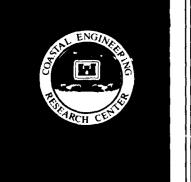
R. E. Jensen, J. M. Hubertz, Jane B. Payne

Coastal Engineering Research Center

DEPARTMENT OF THE ARMY Waterways Experiment Station, Corps of Engineers PO Box 631, Vicksburg, Mississippi 39181-0631









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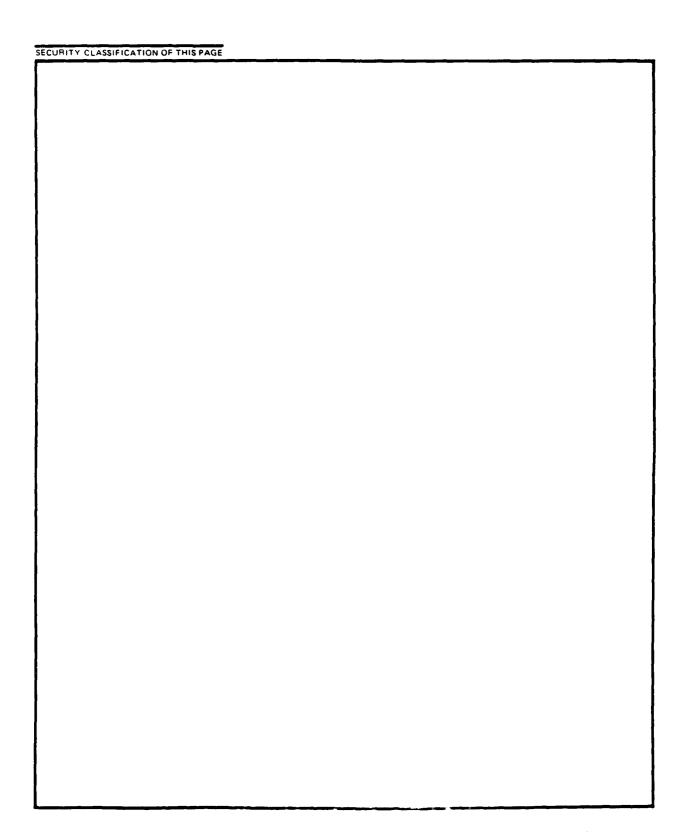
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Twenty years of hindcast significant height, peak period, and mean direction wave information is summarized for 134 Pacific locations in four data products: (a) percent occurrence tables; (b) wave rose diagrams; (c) mean and largest (H _S and 20-year statistics tables; and (d) return period tables. Brief descriptions and examples for each data product are provided.					
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Preface

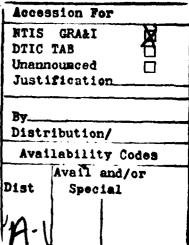
In late 1975 a study to produce a wave climate for US coastal waters was initiated at the US Army Engineer Waterways Experiment Station (WES). The Wave Information Study (WIS) was authorized by the US Army Corps of Engineers (USACE) as part of the Coastal Field Data Collection Program which was managed by the WES Coastal Engineering Research Center (CERC). Messrs. John Housley, James E. Crews, Charles W. Hummer, and John H. Lockhart, Jr., USACE, are Technical Monitors for the Coastal Field Data Collection Program; Mr. J. Michael Hemsley is Program Manager; and Dr. Jon M. Hubertz is WIS Project Manager.

This report, the seventeenth in a series, presents hindcast shallow-water wave data for the US Pacific coasts of Washington, Oregon, and California north of Point Conception. This report was prepared by Drs. Robert E. Jensen and Jon M. Hubertz and Ms. Jane B. Payne. Dr. C. E. Abel (deceased), Ms. Barbara A. Tracy, and Dr. Paul D. Farrar contributed mainly to the technical modeling aspects of the study; Mr. William D. Corson, and Mses. Dani S. McAneny and Rebecca M. Brooks to the production of numerical results; and Mses. Payne and Benita Jo Groves to the production of tabular output. The final draft was prepared by Ms. Victoria L. Edwards, All of the above were or are members of the WIS staff in the Coastal Oceanography Branch (CR-O), Research Division (CR), CERC, and are responsible for completion of this study along with the authors of this report.

The study was conducted under direct supervision of Dr. Edward F. Thompson, former Chief, CR-O, and Mr. H. Lee Butler, Chief, CR; and under general supervision of Dr. James R. Houston, and Mr. Charles C. Calhoun, Jr., Chief, and Assistant Chief, CERC. This report was edited by Ms. Shirley A. J. Hanshaw, Information Technology Laboratory, Information Products Division, WES.

During report publication COL Dwayne G. Lee, EN, was Commander and Director of WES. Dr. Robert W. Whalin was Technical Director.





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PACIFIC COAST HINDCAST PHASE III NORTH WAVE INFORMATION

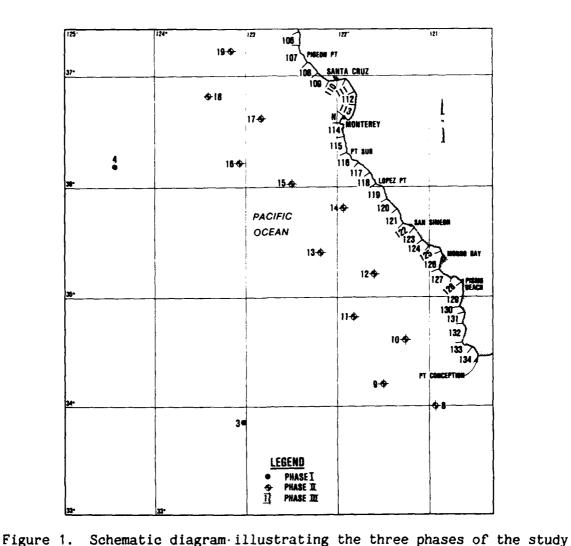
Introduction

- 1. The wave climatology along the US Pacific coast was calculated in three phases:
 - a. Phase I Numerical hindcast of deepwater wave data from historical surface atmospheric pressure and wind velocity data on a 120 nautical-mile (222-km) grid.
 - b. Phase II Numerical hindcast on a 30-nautical-mile (55-km) grid to better resolve the sheltering effects of continental geometry. Phase I data serve as the boundary conditions at the seaward edge of the Phase II grid.
 - c. Phase III Transformation of Phase II wave data into shallow water, with simplifying assumptions.

Figure 1 presents a schematic of the three phases.

2. Phase III wave estimates have been computed for 134 shoreline segments 10 miles (16 km) in length along the Pacific coast from the United States-Canadian border to Point Conception, California (Appendixes A-E). The beginning and ending latitude and longitude of each shoreline segment, the angle of the segment, and a description of location are given in Table 1. Significant wave height, dominant spectral period, and mean direction at a depth of 10 m have been calculated every 3 hr for 1956-1975. Coastal regions which could not be represented by straight line 10-mile- (16-km) long segments were omitted and are denoted by "N" for null points (pages A2, B2, C2, D2, and E2). Any differences in the wave characteristics caused by fluctuations in the water depth (due to tides and surges) were neglected. Waves generated from tropical storms and Southern Hemisphere swell (waves originating in the Southern Hemisphere) were excluded in the analysis and will be the subject of future reports. Wave conditions for the 20-year period have been stored on the Wave Information Study (WIS) Sea State Engineering Analysis System (SEAS) for the 134 numbered stations shown on pages A2, B2, C2, D2, and E2. SEAS is

The Southern California Bight area (south of Point Conception to the US-Mexican border) will be treated as an independent wind and wave hindcasting effort, and a separate report documenting the wave climatology will be published.



an on-line computerized database system which allows users to produce reports and statistical analyses of WIS data tailored to their specific needs (McAneny 1986).

3. This report presents various analyses of the Phase III hindcast wave data and is similar in format to the Phase III data report (Corson et al. 1986, 1987). The products in this report are intended to serve only as a general indication of wave characteristics such as height, period, and direction since the methodology is limited by simplifying assumptions. The qualifications of this wave information are discussed in more detail in the section titled "Gage Data Comparisons." Separate reports describing technical aspects of the effort involved in these wave calculations have been published previously (Corson, Resio, and Vincent 1980; Corson and Resio 1981; Resio 1982; Jensen 1983; Tracy 1982; Resio and Tracy 1983).

The Phase III wave information was generated using a different procedure from that in Phase I and II. Phase I and II wave information was generated from a numerical wave model which simultaneously generated, propagated, and transformed waves over a discrete grid. This approach was not employed for the nearshore wave case because of computational costs. The Phase III wave data were generated assuming straight and parallel bottom contours with a uniform slope offshore. Sheltering of waves by large-scale coastal features was subjectively determined (see Table 2). Smaller-scale coastal features were ignored. No additional energy sources were added between existing Phase II wave conditions and the 10-m depth. Water level variations due to storm surge and tide are not included. The assumed water level is mean lower low water. Waves generated from hurricanes and Southern Hemisphere storms are not included. A single wave period is reported which is the period associated with the peak of the sea or swell part of the two-dimensional spectrum containing the largest amount of energy, that is, the dominant part of the spectrum. This period is not necessarily the same as the peak spectral period associated with the frequency band with the highest energy (see Figure 2). The sea part of the spectrum in Figure 2 contains more total energy than the swell part. Thus, the dominant period is T_{p1} , while the period band with the highest energy contains the peak of the swell with peak period $\,\mathrm{T}_{\mathrm{p2}}$. The direction reported is the mean direction associated with the dominant portion of the spectrum. The information in this report is

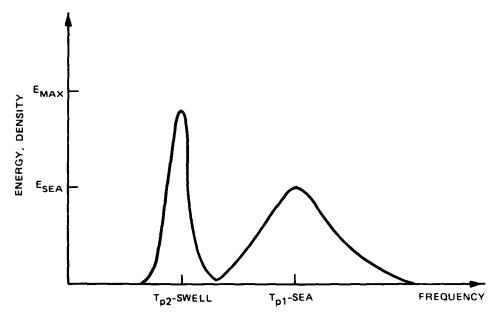


Figure 2. Comparison of sea and swell sections of spectrum

qualified by the above factors and should only be used to provide a general indication of the wave climate at this depth under the above restrictions. On the majority of west coast sites, a more detailed transformation should be done for project studies.

- 5. There were two steps in the calculation of the shallow-water wave climate. First, the Phase II sea wave parameters, significant height, peak period, and mean direction ($H_{\rm S}$, $T_{\rm p}$, and $D_{\rm m}$) were used to calculate parametrically a two-dimensional (frequency and wave direction) discrete spectrum. Only the wave energy in direction bands ± 90 deg to shore normal for a given Phase III station were retained. Swell was assumed to be unidirectional and monochromatic. If the deepwater swell mean direction was not within ± 90 deg to shore normal, swell was ignored. The second step assumed that the two wave populations, sea and swell, were independent; thus, the analysis of the sea and swell transformation into 10 m could be carried out separately. The transformation mechanisms common to both populations were refraction, shoaling, wave breaking, and wave sheltering (when applicable). One additional mechanism involved in the sea wave transformation was wave-wave interaction, which allowed transfer of wave energy across frequency bands due to nonlinear interactions.
- 6. In certain cases along the coast, the assumption of straight and parallel offshore contours does not apply. Sheltering effects associated with the geometry of the coastline introduce significant deviations from results derived for a straight coastline approximation. The amount of wave sheltering depends upon the location of the input Phase II station (relative to the given Phase III segment being considered) and the location of the Phase II land boundary points relative to the actual shoreline. Angles with respect to the Phase III coastal segments were subjectively determined. These angles defined a window for wave energy to arrive at the coast. Wave energy outside this window was ignored. The shoreline orientation for each Phase III station was measured clockwise in degrees from true north (0 deg) (Figure 3). Table 2 displays the values of sheltering angles used in the analysis of the shallowwater wave climate. This report is intended only to serve as a general indication of wave characteristics such as height, period, and direction. The wave data represent generalized conditions along each 10-mile (16-km) shoreline segment. Any man-made structures, or bottom topographic features smaller than the 10-mile (16-km) shoreline segments, were ignored. Details concerning

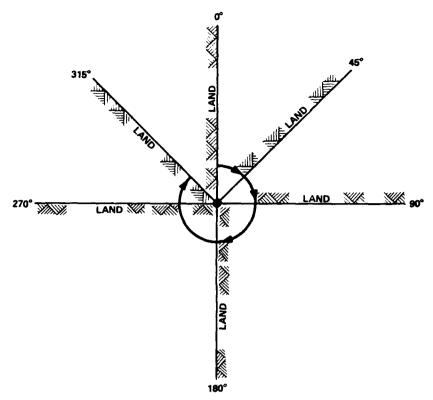


Figure 3. Schematic representation of the shoreline orientation the Phase III wave calculations are given in WIS Report 8 (Jensen 1983).

- 7. The significant wave height H_S represents the combined sea and swell, that is, the square root of the sum of the squares of the sea and swell significant wave heights $H_S = (H_{Swell}^2 + H_{Sea}^2)^{-1/2}$. The wave period T_p and mean direction D_m represent the dominant wave (i.e., if the sea H_S is larger than the swell H_S , then the sea T_p and D_m are given). The value of the wave direction is the mean direction from which the waves are coming relative to the shoreline orientation (Figure 4).
- 8. All products presented in this report are valid under the assumptions governing the Phase III method. For detailed studies on time dependent or steady state problems, it is recommended that the Corps offices utilize the more generalized models of WIS. Sea and swell wave parameters from this study are available to non-Corps users through the National Climatic Data Center as are those for Atlantic coast WIS data (Brooks and Corson 1984).
 - 9. Four products are presented in this report:
 - a. Twenty-year percent occurrence tables.
 - b. Wave rose diagrams.
 - c. Mean and maximum H_s tables.

MIDPOINT OF PHASE III STATION SECTION

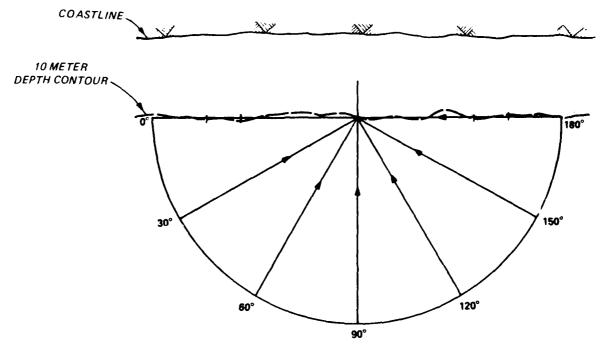


Figure 4. Coordinate system defining the direction of wave propagation $\,D_{m}^{}\,$

 $\underline{\textbf{d}}.$ Return period tables, including the mean and standard deviation of $\textbf{H}_{_{\pmb{S}}}$, the mean $\textbf{T}_{_{\pmb{D}}}$, and the mean D .

A brief description of each product is given, and additional sections are provided on use of the products, including examples. The percent occurrence tables, the wave rose diagrams, and the mean and largest $H_{\rm S}$ tables are provided for each individual station in Appendixes A-E. These appendixes are arranged by geographical regions (pages A2, B2, C2, D2, and E2). The return period table provides information for all stations and is presented in Appendix F (Table F1).

20-Year Percent Occurrence Tables

10. Two types of tables are printed, 20-year azimuth tables and 20-year all direction tables. These data are based on the full 20-year Phase III hindcast record. The azimuth tables give the percent occurrence of waves in height and period ranges for different direction bands at all Phase III stations. The title to each table identifies the station, wave approach direction range, latitude and longitude of the two end points of the coastal

segment, shoreline angle (relative to true north), and water depth. The wave period ranges are based on the discrete frequency bands used in the deepwater wave hindcast. The height ranges are in half-meter increments. The direction ranges span ±15 deg from a central direction and are referenced to the shoreline orientation (Figure 4). Values in the direction tables which have been multiplied by 1,000 represent the percent of the 20 years that waves occur from the specified direction bands for the indicated height and period ranges. Totals are provided by height and period range in the last column and row of each table, respectively. The last line in each direction table contains the following information for the specified direction range:

- a. Mean wave height.
- b. Largest wave height.
- c. Mean dominant period.
- d. Total number of occurrences in the specified direction range.
- 11. The all-directions table is printed after the 165- to 180-deg direction table. The all-direction table gives the percent occurrence of significant waves within specified height and period ranges coming from all directions for 20 years for the indicated station. Values in the alldirections table are derived from all preceding directional tables for the full 20 years. There are always 58,440 cases analyzed, but not all cases result in finite wave conditions. By definition, a "calm" condition exists in the Phase III data set if both sea and swell significant wave heights are zero. A two-dimensional spectrum in frequency and direction is generated from the Phase II sea wave characteristics (H_S , T_D , D_m). The energy density distribution over the discrete direction bands is assumed to be symmetric about the mean direction $\,D_{m}\,\,$ and distributed $\pm 90\,$ deg from $\,D_{m}\,\,$. If the mean direction in the Phase II data is directed offshore, the sea significant wave height found for Phase III data is equal to zero. If the swell mean direction of wave propagation in Phase II is directed offshore, a zero swell significant wave height results for Phase III. Wave sheltering could also limit propagation from an offshore region to the shore. Therefore, the total sum for all occurrences at a given station may not be 100 percent, the difference being due to calm wave conditions.

Use of tables

12. The 20-year percent occurrence tables have been developed to produce estimates of wave conditions under the aforementioned assumptions and

constraints. An example is provided below.

Example

- 13. To find the number of hours that waves between 3.0 and 3.5 m and 9.6 to 10.5 sec are expected to occur from 45 to 74.9 deg relative to the shoreline at sta 1 for the 20-year interval, the value read in the table for specified station, direction of wave propagation, height, and period should first be divided by 1,000, which, for this example, yields 0.090 percent (Appendix A, page A3). Then 0.090 is divided by 100 to give the probability and multiplied by the number of hours for the 20-year period (approximately 8,766 hr per year) to yield the number of hours that the specified wave is expected to occur. The simple process is:
 - a. Locate the appropriate direction range table (for this case 45-74.9 deg).
 - $\underline{\mathbf{b}}$. Locate the percent occurrence for specified height and period range.
 - \underline{c} . Divide percent occurrence found in step \underline{b} by 1,000.
 - d. Divide result of step \underline{c} by 100.
 - e. Multiply the result of step d by specified number of hours.

For this example:

$$\frac{90}{1,000}$$
 ÷ 100 × 175,320 = 158 hr

- 14. The all-directions tables can be used in a similar fashion. To find the number of hours waves between 3.0 and 3.5 m are expected to occur within a year for sta 1 for all directions and periods, one must use the following procedure:
 - \underline{a} . Divide the value in the total column for the specified $H_{\mathbf{S}}$ range by 100, yielding a percentage of 9.42 (page A5).
 - b. Divide 9.42 by 100 to get the probability.
 - c. Multiply by the number of hours in 1 year, i.e.,

$$\frac{942}{100}$$
 ± 100 × 8,766 = 826 hr

- 15. To find the percentage of calms for the 20-year hindcast record at sta 1 (page A5), one must
 - a. Sum the total column for all height ranges and divide by 100, yielding a percentage of 99.63.
 - <u>b</u>. Subtract 99.63 from 100. This results in 0.37 percent of the wave conditions that are considered calm at sta 1, or approximately 216 calm wave conditions $(0.37/100) \times 58,440$.

Wave Rose Diagrams

Description

16. The wave rose diagrams use $H_{\rm S}$ and $D_{\rm m}$ for the 20 years of hindcast data to show the percentage of waves occurring from the separate directions. Similar to most wave rose diagrams, the width of each bar segment indicates the Hs range, and the length of the bar segment indicates the percent occurrence of waves from a specified direction. The distance between each circle in the diagram is 10 percent. Each leg of the diagram represents 22.5 deg to either side of the primary direction of the leg (except for 0 and 180 deg). For example, in Appendix A (page A5) the leg identified as 90 (or shore normal wave propagation) represents waves coming from 67.5 to 112.5 deg relative to the shoreline. The legs identified as 0 and 180 represent waves coming from 0 to 22.5 and 157.5 to 180 deg, respectively. The total percent in each angle class (found in the triangle at the end of each leg) is truncated at the nearest whole percent. When a <1 appears in the triangle, and the wave height class is represented by only one class, that total percent of wave conditions coming from the range of angle bands is considered to be equal to zero. For example, sta 1 displays a <1 in the legs identified as 0 and 180. The percent occurrences from these direction classes are equal to zero, with no waves coming from the above angles.

Use of the diagrams

17. The diagrams are intended as visual aids for quick qualitative interpretation of wave conditions. An example is provided below.

Example

18. The wave rose diagram for sta 1 indicates that in the 20-year hind-cast 6 percent of the waves were propagating from 22.5 to 67.5 deg relative to the shoreline (or coming from a northeasterly direction relative to the shoreline). Of the 6 percent, approximately 2 percent were less than 0.5 m,

approximately 23 percent were between 0.5 and 1.0 m, approximately 37 percent were between 1.0 and 1.5, approximately 26 percent were between 1.0 and 1.5 m, approximately 26 percent were between 1.5 and 2.0 m, approximately 10 percent were between 2.0 and 2.5 m, and approximately 2 percent were between 2.5 and 3.0 m (page A5).

Mean H_s , Largest H_s , and 20-year Statistics Tables

Description

- 19. Two tables that summarize the mean and largest $\rm H_S$ for each month and year are provided for each station. The mean table also provides a mean monthly value and mean yearly value of $\rm H_S$. The largest $\rm H_S$ table provides the largest $\rm H_S$ hindcast for each month in each year, as well as the largest $\rm H_S$ hindcast for the specified station. The 20-year statistics table provides the following:
 - a. Mean H_s.
 - \underline{b} . Mean T_{p} .
 - c. Most frequent direction band.
 - \underline{d} . Standard deviation of H_s .
 - \underline{e} . Standard deviation of T_{D} .
 - $\underline{\mathbf{f}}$. Largest $\mathbf{H}_{\mathbf{S}}$.
 - g. T_p of largest H_s .
 - \underline{h} . Mean direction of largest H_S .
 - $\underline{\mathbf{i}}$. Date and time (Greenwich mean time) of largest $H_{\mathbf{S}}$.

Use of the tables

20. The tables can be used as a quick reference in determining gross estimates of the wave climate of an area. Due to extreme variations in wave heights, the mean H_S value is of little use beyond gross estimates. The largest H_S value provides an idea of what extreme significant wave heights might occur. Appendix F can assist in determining how often to expect extreme values.

Example

21. To determine the mean H_s at sta 1 for January 1956, simply read the value in the specified column and row (page A6). The mean H_s for 1956 is given in the MEAN column opposite 1956. The mean H_s for all Januaries is given in the MEAN row under JAN as indicated below:

- a. The mean H_s for JAN 1956 = 3.5 m.
- b. The mean H_s for 1956 = 2.3 m.
- c. The mean H_a for all JAN's = 3.6 m.

The largest H_s table can be read in a similar fashion, and by scanning the columns and rows, additional information can be determined:

- <u>a</u>. The largest H_s for JAN 1956 = 6.1 m.
- b. The largest H_s for 1956 = 6.1 m.
- c. The largest H_s for all JAN's = 7.0 m.

Return Period for H_S Table

Description

22. Since extreme wave conditions are important in most coastal design procedures, a careful analysis of extreme wave heights was performed. To obtain a reasonably homogeneous, independent sample of wave heights for the analysis of wave extremes along the west coast, wave heights are first separated into events associated with particular meteorological conditions. Basically, the concept here is to obtain representative groupings of storm conditions before proceeding with the usual kind of statistical analysis of extremes. It should be noted that the extremal analysis for Phase III depends significantly on the water depth and that a constant depth of 10 m was used in this analysis. An upper limit on the maximum H_S will result, assuming no changes in water depth. A conservative approximation to this would be to assume H_S = 7.8 m (or H_S = 0.78 × depth, via solitary wave theory).

For more detailed analyses, one would need to consider the changes in the water depth caused by storm surges and tides.

Use of Tables

23. One type of error that could affect the results of extremal analysis would be a bias between the hindcast waves for a station and waves occurring at that site. The assumption of constant water depth within the Phase III analysis will bias those storm conditions producing significant changes in the water depth (caused by surge effects), thus resulting in the capability of producing even larger $H_{\rm S}$ results (because of the depth dependence of the maximum $H_{\rm S}$). Additionally, bias in the results can be expected in the extremal distribution if the random error in the transformation technique

employed in the Phase III analysis is larger compared with the expected natural variation in wave height. It is expected that the hindcast extremes presented in the tables (Appendix F) provide a valid representation of shallow-water extremes produced by extra-tropical storms along the US Pacific coast.

Gage Data Comparisons

- 24. A logical question to ask of any model study is: "How well do the model results represent what actually took place or might take place in nature?" Usually the answer can be found in discussions of calibration and verification for a particular study. How well the question can be answered depends on the number of measurements under prototype conditions that are available for comparison. In addition, the measurements should reflect the same quantity that the model calculates and at the same time and place as simulated by the model. The necessary prototype measurements, unfortunately, are not available to satisfactorily answer the question in this study. However, some information is available which can be used, although it does not represent exactly what was calculated by the wave model in this case; nor is it at the same time or place that model results are available.
- 25. The wave information transformed to the Phase III stations in this report was generated from the Phase I and II studies of the Pacific Ocean WIS Reports 14 and 16, respectively. The geographical areas covered by the numerical wave model grid in those studies is shown in Figure 2 of WIS Reports 14 and 16. Tropical storms and hurricanes were excluded from the wind field representations on these grids. Also, since the Phase I grid ended at the equator, any waves generated south of the equator which propagated to the north are not represented. Wave gages at the coast measure all incident waves regardless of origin. Thus, there is inconsistency in what was measured and what was calculated which will affect any comparisons between the two.
- 26. In addition, measurements in the Phase III region are available in the period from 1979 to the present, while the hindcast covers 1956 to 1975. Thus, it is not possible to plot calculated against measured variables as a function of time. That comparisons of mean values can be made if mean conditions do not change over time may or may not be a valid assumption. There is not enough information available to determine, for example, if the mean

wave height at a given location is the same for 1956-1975 as for 1975-1988. Even if the calculated and observed mean values were in agreement, this would not be conclusive because there is no assurance that the means were equal for the two periods.

- 27. Finally, the locations of measurements and calculated results are not the same. In the deep ocean location is not as much of a concern as it is close to the coast. Wave conditions are more homogeneous in the deep ocean where depth effects are absent. However, close to the coast, the depth at a gage site and the closest model grid point may vary by 100 percent or more. Local conditions near a gage such as complex bathymetry, shoals, reefs, currents from river discharges or sheltering from small-scale coastal features will all affect the local waves measured by a gage. These features, however, are not included in the wave calculations and thus would make any comparisons invalid.
- 28. There are a number of wave gages along the Pacific coast which can be used with the above qualifications to help answer the question of model validity. Some are National Oceanographic and Atmospheric Administration (NOAA) buoys, and others are Corps of Engineers (CE) gages. Since the gage data are not coincident in time with the model data, the best comparisons are of the distributions of variables such as wave height and period and comparisons of mean values. Percent occurrence graphs of wave height and period and monthly mean wave height at points along the coast where gage data are available are shown below. Cases where a gage was present but conditions were such that local effects clearly violated model assumptions are not shown.
- 29. There is a NOAA buoy (46010) and a CE wave gage near the border of Washington and Oregon. Their locations are shown in Figure 5. The gage is a pressure gage in 11 m of water with a period of record from 1983-1986 with 4,351 observations. The buoy is in 18 m of water with a period of record from 1979-1984 and 34,600 observations. These observations are compared, respectively, to WIS Phase III Stations 21 and 22 in Plates 1-6. (Station locations are shown on the second page of each appendix.) The distribution of heights at Ocean Park and WIS sta 21 are similar in character. The distribution of periods is similar, with WIS underrepresenting low and high periods. Monthly mean heights are similar, with the exception of the winter months when differences are as great as 1 m. This difference could in part be due to the much longer model time series (20 years) over which more extreme events could

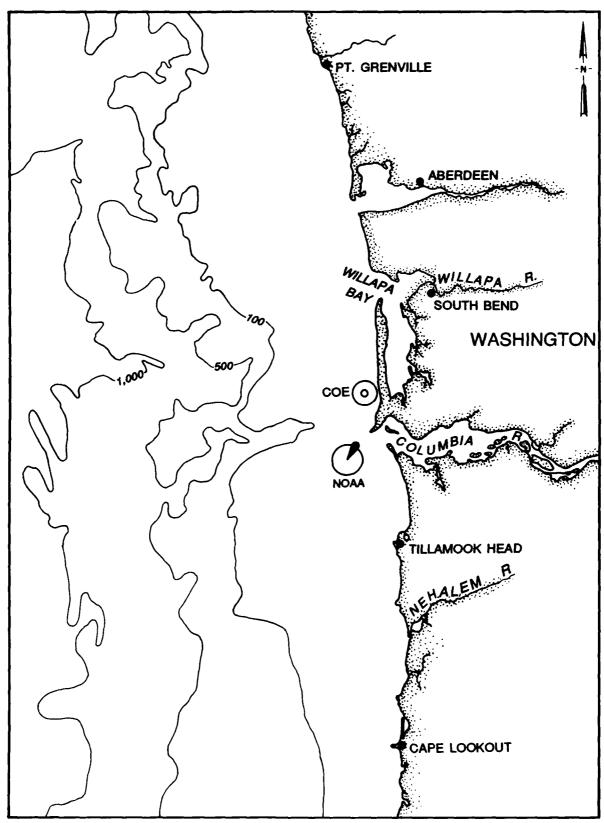
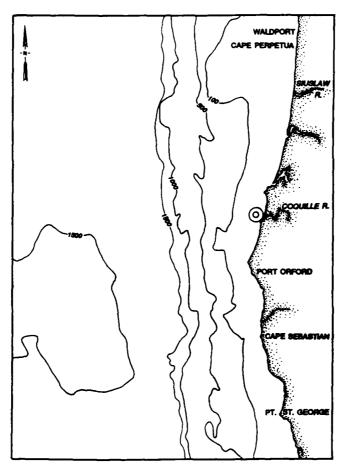


Figure 5. Locations of NOAA buoy 46010 and CE wave gage near the border of Washington and Oregon

occur and increase the mean. Comparisons between the NOAA buoy and WIS 22 are similar for heights and periods. The mean monthly WIS height is again somewhat larger in the winter months than indicated by the buoy.

- 30. Data (4,467 observations) are available from a CE pressure gage in 16 m of water off the mouth of the Coquille River in Oregon which coincides with WIS sta 48 (Figure 6). The percent distributions of height and period and monthly mean wave heights are shown, respectively, in Plates 7-9. The percent distribution of heights differ with the gage, indicating more occurrences of lower waves and less of higher waves with respect to WIS. The monthly means are smaller for all months for the gage at this location compared to WIS. This difference may be due to the many shoals and rocks in this area which could cause wave breaking and would thus result in a lower mean wave height than if they were absent, as is the case in the model representation region near mouth of Coquille River in Oregon. Bottom contours are hardly straight and parallel as assumed by the WIS Phase III computations. Low and high periods are underestimated by WIS compared to the gage data.
- 31. NOAA buoy 46022 is offshore of WIS sta 70 in 315 m of water with a period of record from 1982-1984 with 25,500 observations. The location is shown in Figure 7. The percent occurrence of wave height (Plate 10) is skewed slightly to higher waves for WIS than the buoy. Period distributions (Plate 11) are similar, and monthly mean heights (Plate 12) show about a half meter higher for WIS in the winter months. This slight bias toward higher waves for the WIS results may again be due to the longer period of record compared to the buoy.
- 32. NOAA buoy 46014 is offshore of WIS sta 84 in 285 m of water with a period of record from 1981-1984 with 32,400 observations. The location is shown in Figure 8. Comparisons of the distributions of wave height and period (Plates 13-15) are similar to those of the previous case.
- 33. NOAA buoy 46012 is offshore of WIS sta 105 in 73 m of water with a period of record from 1980-1984 with 32,500 observations. The location is shown in Figure 9. Comparisons of the distributions of wave height and period (Plates 16-18) are again similar to those of the two previous cases.
- 34. The final comparison is for NOAA buoy 46011 offshore of WIS sta 130 in 183 m of water with a period of record from 1980-1984 and 31,800 observations. The location is shown in Figure 10. The percent occurrences for height and period (Plates 19 and 20) favor lower heights and periods compared



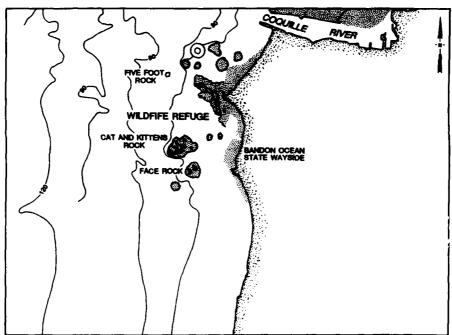


Figure 6. Data from CE pressure gage, 16 m of water, mouth of Coquille River, Oregon, sta 48

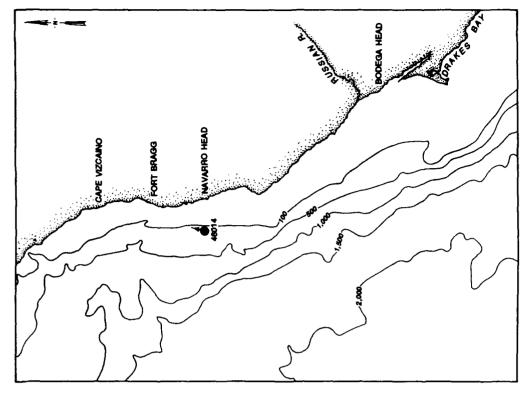
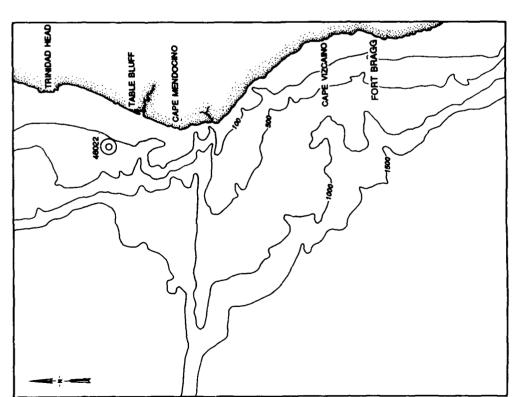
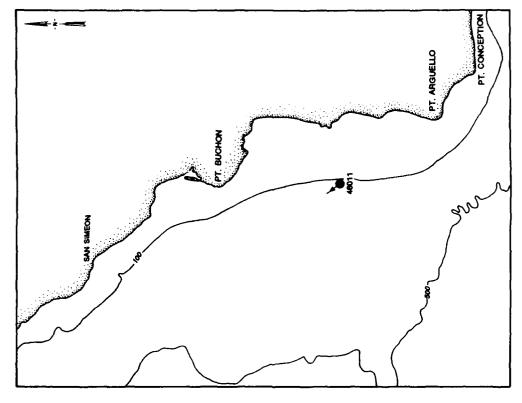


Figure 8. Location of NOAA buoy 46014, 285 m of water, sta 84, 1981-1984, 32,400 observations Figure 7. Location of NOAA buoy 46022, 315 m of water, sta 70, 1982-1984, 25,500 observations





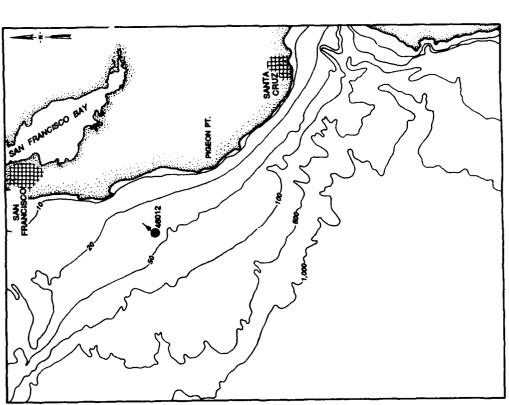


Figure 9. Location of NOAA buoy 46012, 73 m of water, sta 105, 1980-1984, 32,500 observations

Figure 10. Location of NOAA buoy 46011, 183 m of water, sta 130, 1980-1984, 31,800 observations

to the gage, and in this case the monthly mean height (Plate 21) from the buoy is consistently above the estimate from WIS by about a half meter. This could be due to the sheltering imposed in the model versus the buoy's measuring waves from all directions since it is away from the sheltering effects of the coast.

- 35. The comparisons above are good enough to ensure that the hindcast results are distributed generally in the same shape as measured results despite the differences discussed above between the two data sets. There is some tendency for the hindcast to estimate fewer waves below 1.0 m than the gage data. Also, the hindcast estimates fewer waves with periods longer than 15.0 sec compared to the gages. In most cases, the hindcast overestimates the monthly mean for the winter months compared to the gage data. Hypotheses can be offered based on the differences in the quantities being compared to explain these tendencies, but more exact comparisons need to be done to completely verify the hindcast. These are planned as part of a WIS verification study where exact comparisons will be made.
- 36. Until more information is available, the present Phase III results should be used with caution. Phase III locations near reefs, river mouths, or with complex bathymetry such as offshore canyons or shoals or sheltered by land forms such as bays probably are not well represented by the simple Phase III model. Phase II wave information or gage data near such a site should be used to characterize wave conditions offshore, and a site-specific model should be used to transform wave conditions to the site of interest.
- 37. The present Phase III data are most useful to characterize the wave height, period, and direction at Phase III stations characterized by the model assumptions of straight, unsheltered coastlines with simple offshore bathymetry and the absence of reefs, shoals, and rivers which might affect local wave conditions. Reference to a coastal chart and some coastal engineering common sense should be sufficient to determine if the Phase III station data accurately represent wave climatology at the site. For example, sta 89-93 should be representative, but stations 94-105 should be used with caution.
- 38. This will be the final use of the Phase III methodology in WIS hindcasts. The present philosophy is to provide nearshore wave climatology at sites as needed using models which represent site-specific conditions. This approach will preclude cautionary guidance, as above, on use of the data.

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Table 1
Shoreline Points for Pacific Coast Phase III Wave Information Study

iT #	LAT 1 / LONG 1	LAT 2 / LONG 2	ANGLE	LOCATION
1	48.37N/124.75W			CAPE FLATTERY, WA
2	48.30N/124.70W	48.17N/124.75W	192.	PORTAGE HEAD, WA
3	49.17N/124.75W	48.06N/124.70W	166.	CAPE ALAVA, NA
4	48.06N/124.70W	47.96N/124.68W	168.	ABOUT 8 NAUTICAL MILES WORTH OF CAPE JOHNSON, WA
5	47.96N/124.68W	47.86N/124.61W	155.	CAPE JOHNSON, WA
6	47.86N/124.61W	47.83M/124.55W	125.	ABOUT & NAUTICAL MILES WORTH OF TOLEAK POINT, WA
7	47.83N/124.55W	47.76N/124.48W	148.	TOLEAK POINT, NA
9	47.76N/124.48W	47.70N/124.43N	149.	HDH HEAD, WA
9	47.70N/124.43W	47.60N/124.40W	166.	ABOUT 7 NAUTICAL MILES SOUTH OF HOM HEAD, WA
10	47.60N/124.40W	47.48N/124.35W	171.	ABOUT 22 NAUTICAL HILES NORTH OF CAPE ELIZABETH, N
11	47.48N/124.35W	47.35N/124.33W	171.	ABOUT 12 NAUTICAL MILES NORTH OF CAPE ELIZABETH, N
12	47.35N/124.33W	47.30N/124.28W	148.	CAPE ELIZABETH, WA
13	47.30N/124.28W	47.23N/124.23W	148.	POINT GRENVILLE, WA
14	47.23N/124.23N	47.13N/124.20W	167.	MOCLIPS RIVER, WA
15	47.13N/124.20W	47.01N/124.18W	173.	COPALIS HEAD, WA
15	47.01N/124.18W	46.93N/124.18W	174.	ABOUT 10 NAUTICAL MILES SOUTH OF COPALIS HEAD, WA
17	46.90N/124.15W	46.7BN/124.11W	166.	POINT CHEHALIS, WA
18	46.78N/124.11N	46.71N/124.10W	174.	ABOUT & NAUTICAL MILES NORTH OF CAPE SHOALMATER, M
19	46.61N/124.10W	46.50N/124.08W	176.	LEADBETTER POINT, WA
20	46.50N/124.08W	46.40N/124.0BW	178.	SCEAN PARK, MA
21		46.26N/124.10W	190.	
22		46.10N/123.95W	158.	ABOUT 20 NAUTICAL MILES NORTH OF SEASIDE, WA
23	46.10N/123.95W	46.00N/123.93N	173.	ABOUT 10 NAUTICAL MILES NORTH OF SEASIDE, WA
24		45.95N/124.00W	192.	SEASIDE, WA
25	45.95N/124.00W	45.88N/123.96W	190.	TILLAMOOK HEAD, WA
25		45.76N/124.00W	184.	ABOUT 5 NAUTICAL MILES SOUTH OF TILLAMOOK HEAD, WA
27	45.76N/124.00W	45.65N/123.95W	168.	CAPE FALCON, MA
28	45.65N/123.95W		187.	ABOUT 10 NAUTICAL MILES SOUTH OF CAPE FALCON, NA
29		45.41N/123.96W	180.	CAPE MEARES, OR
30	45.41N/123.96W	45.30N/123.96W	180.	ABOUT & NAUTICAL MILES WORTH OF CAPE LOOKOUT, OR
31	45.30N/123.96W	- · · · - · · · - · · - · · · - · · ·	180.	
32	45.18N/123.98W		192.	ABOUT 10 NAUTICAL MILES NORTH OF CASCADE HEAD, OR
33	45.06N/124.01W	44.93N/124.03W	183.	CASCADE HEAD, OR
34	44.93N/124.03W		194.	ABOUT 10 NAUTICAL MILES SOUTH OF CASCADE HEAD, OR
35	44.83N/124.08W	44.70N/124.08W	180.	ABOUT 4 NAUTICAL HILES NORTH OF CAPE FOULNEATHER,
36	44.70N/124.08W	44.58N/124.08N	181.	NORTH OF YAQUINA HEAD, OR
37	44.58N/124.08W	44.46N/124.08W	184.	ABOUT 7 NAUTICAL MILES SOUTH OF YAQUINA HEAD, OR
38	44.46N/124.08N	44.35N/124.10W	185.	ABOUT 17 NAUTICAL MILES SOUTH OF YADUINA HEAD, OR
39	44.35N/124.10N		182.	ABOUT 17 NAUTICAL MILES NORTH OF HECETA HEAD, OR
	44.21M/124.11M		181.	ABOUT 7 MILES NORTH OF HECETA HEAD, OR

Table 1 (Continued)

	1AT 1 / 10NG 1	LAT 2 / LONG 2	ANGLE	LOCATION
41				
42	43.98N/124.15W	43.86N/124.16W	185.	SOUTH OF HECETA HEAD, OR SOUTH OF FLORENCE, OR ABOUT 10 NAUTICAL MILES SOUTH OF FLORENCE, OR ABOUT 4 NAUTICAL MILES NORTH OF REEDSPORT, OR
43	43.86N/124.16W	43.75N/124.20W	187.	ABOUT 10 NAUTICAL MILES SOUTH OF FLORENCE, OR
44	43.75N/124.20W	43.61N/124.23N	191.	ABOUT 4 NAUTICAL MILES NORTH OF REEDSPORT, OR
45	43.61N/124.23W	43.50N/124.26W	194.	ABOUT & NAUTICAL MILES SOUTH OF REEDSPORT, OR
46		43.31N/124.38W	207.	ABOUT 16 NAUTICAL MILES NORTH OF CAPE ARAGO, OR
47		43.20N/124.40W	182.	CAPE ARAGO, OR
48		43.08N/124.45W	190.	ABOUT 10 NAUTICAL MILES SOUTH OF CAPE ARAGO, DR
49	43.09N/124.45W	42.96N/124.48W	194.	COQUILLE POINT, OR
50	42.96N/124.48W	42.83N/124.56W	205.	ABOUT 11 NAUTICAL MILES NORTH OF CAPE BLANCO, OR
51	42.83N/124.56W	42.73N/124.51W	162.	CAPE BLANCO, OR
52	42.73N/124.51N	42.61N/124.40W	148.	PORT ORFORD, OR
53		42.46N/124.43W	184.	COLEBROOKE, OR
54		42.46N/124.43W	180.	ABOUT 10 NAUTICAL MILES NORTH OF CAPE SEBASTIAN, OR
55	42.35N/124.43W	42.25N/124.45W	176.	CAPE SEBASTIAN, OR
55	42.25N/124.45W	42.10N/124.35W	163.	ABOUT 12 NAUTICAL MILES NORTH OF CAPE FERRELO, OR
57	42.10N/124.35W	42.00N/124.21W	134.	CAPE FERRELO, OR
58	42.00N/124.21W	41.86N/124.21W	179.	ABOUT 4 NAUTICAL MILES NORTH OF PYRAMID POINT, CA
59	41.86N/124.21W	41.78N/124.26W	195.	ABOUT & NAUTICAL MILES SOUTH OF PYRAMID POINT, CA
60	41.78N/124.26W	41.71N/124.15N	128.	POINT ST. GEORGE, CA
61		41.58N/124.11W	163.	
62		41.48N/124.08W	173.	
53		41.35N/124.08W	179.	ABOUT 28 NAUTICAL MILES SOUTH OF POINT ST. GEORGE, C
54		41.23N/124.11W	192.	ABOUT 16 NAUTICAL MILES NORTH OF RODGERS PEAK, CA
55	41.23N/124.11W	41.13N/124.16W	198.	ABOUT 7 NAUTICAL MILES NORTH OF RODGERS PEAK, CA
66		41.05N/124.15W	174.	SOUTH OF RODGERS PEAK, CA
57		40.98N/124.11W		TRINIDAD HEAD, CA
58		40.86N/124.16W	196.	ABOUT 7 NAUTICAL MILES SOUTH OF TRINIDAD HEAD, CA
69		40.75N/124.25W	205.	ABOUT 9 NAUTICAL MILES NORTH OF EUREKA, CA
70	40.75N/124.25W	40.65N/124.31W	206.	EUREKA, CA
71		40.53N/124.36W	201.	•
72		40.43N/124.40W	196.	NORTH OF FALSE CAPE, CA
73	40.43N/124.40N		161.	CAPE MENDOCINO, CA
74	40.33N/124.35N		180.	ABOUT & NAUTICAL MILES NORTH OF PUNTA GORDA, CA
75	40.01N/124.35W	40.15N/124.25W	137.	PUNTA GORDA, CA
76	40.15N/124.25W	40.10N/124.13W	128.	ABOUT 10 NAUTICAL MILES SOUTH OF PUNTA GORDA, CA
77	40.10N/124.13W	40.01N/124.08W	153.	KING PEAK, CA
78	40.01H/124.08W	39.91N/123.91W	136.	POINT DELGADA, CA
7 9	39.91N/123.91W	39.83N/123.86W	140.	ABOUT 10 NAUTICAL MILES SOUTH OF POINT DELGADA, CA
80		39.71N/123.85W	169.	ABOUT 9 NAUTICAL MILES NORTH OF CAPE VIZCAING, CA

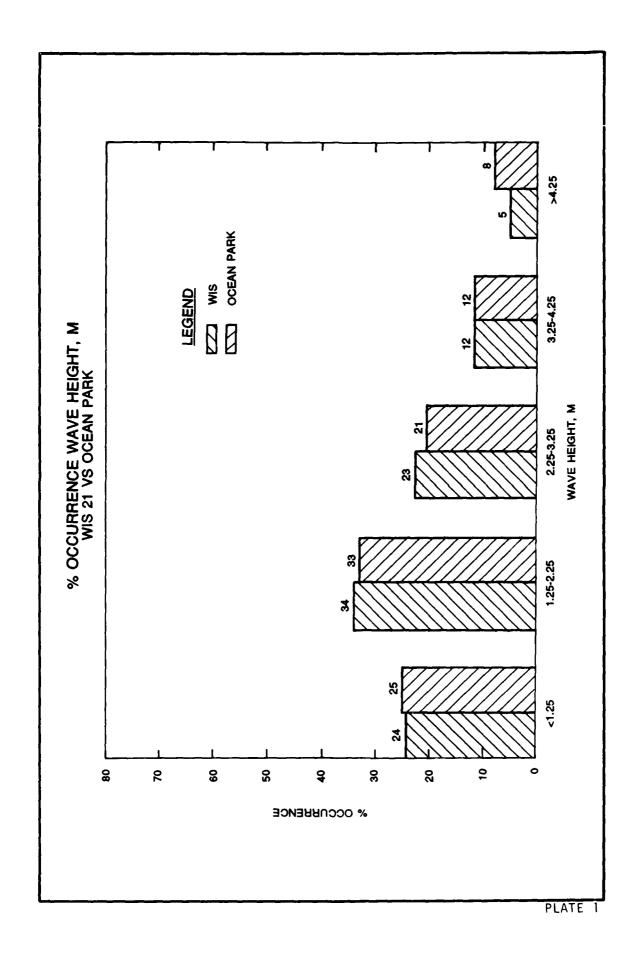
39. 39.71N/123.89% 39.60N/123.80% 167. 29. 39.60N/123.80% 39.48N/123.80% 185. 39. 39.48N/123.80% 39.48N/123.80% 185. 39. 39.73N/123.81% 39.21N/123.70% 185. 39. 39.33N/123.81% 39.21N/123.70% 185. 39. 39.10N/123.70% 39.91N/123.70% 186. 39. 39.10N/123.70% 39.91N/123.70% 186. 39. 39.10N/123.70% 39.90N/123.70% 186. 39. 39.10N/123.70% 39.90N/123.70% 186. 39. 39.10N/123.70% 39.90N/123.70% 186. 39. 39.10N/123.70% 39.90N/123.50% 186. 39. 39.123.30% 39.80N/123.50% 186. 39. 39. 39.123.30% 39.80N/123.51% 135. 39. 39. 39. 39. 39. 39. 39. 39. 39. 39.	ST 1		LAT 2 / LONG 2		
93		39.71N/123.85W	39.60N/123.80W	167.	
94 39.35N/123.81W 39.21N/123.70W 155. 95 39.21N/123.70W 39.10N/123.70W 156. 96 39.10N/123.70W 39.10N/123.70W 158. 97 39.01N/123.70W 38.95N/123.70W 158. 98 39.60N/123.70W 38.95N/123.51W 123.51W 123.50W 146. 96 38.50N/123.61W 39.35N/123.61W 146. 97 38.50N/123.61W 39.35N/123.61W 120. 98 38.00N/122.96W 38.00N/122.96W 143. 99 38.00N/122.96W 38.00N/122.96W 143. 99 38.00N/122.96W 38.00N/122.96W 143. 90 38.00N/122.96W 38.00N/122.96W 180. 91 38.00N/122.96W 38.00N/122.96W 180. 92 38.00N/122.96W 38.00N/122.96W 180. 93 38.00N/122.96W 38.00N/122.96W 180. 94 39.36N/123.51W 39.00N/122.96W 180. 95 38.31W/123.50W 38.00N/122.96W 180. 96 38.00N/122.96W 38.00N/122.96W 180. 97 38.00N/122.96W 38.00N/122.96W 180. 98 38.00N/122.96W 38.00N/122.96W 180. 99 38.00N/122.96W 39.00N/122.96W 180. 90 37.86N/122.96W 37.88N/122.71W 137. 90 37.86N/122.76W 37.88N/122.71W 137. 90 37.86N/122.76W 37.88N/122.71W 137. 90 37.86N/122.71W 37.88N/122.51W 190. 90 37.86N/122.30W 37.58N/122.51W 190. 90 37.66N/122.90W 37.58N/122.51W 190. 90 37.58N/122.31W 37.58N/122.51W 190. 90 37.58N/122.31W 37.58N/122.51W 190. 90 37.58N/122.31W 37.58N/122.51W 180. 90 37.58N/122.41W 37.11N/122.31W 154. 90 37.58N/122.41W 37.11N/122.31W 154. 90 37.58N/122.41W 37.11N/122.31W 154. 90 37.58N/122.41W 37.58N/122.91W 180. 90 38.68N/121.90W 36.68N/121.90W 80. 90 38.08N/121.90W 36.68N/121.90W 80. 90 90 90 90 90 90 90 90 90 90 90 90 90 9			_	183.	
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97 39.01M/123.70M 38.95M/123.73M 146. 98 38.95M/123.73M 38.85M/123.51M 146. 99 38.73M/123.51M 38.63M/123.51M 135. 90 38.73M/123.51M 38.63M/123.51M 137. 91 33.63M/123.64M 38.53M/123.30M 138. 92 33.53M/123.30M 38.43M/123.16M 137. 93 38.43M/123.16M 38.35M/123.08M 146. 94 38.36M/123.08M 38.26M/123.08M 146. 95 38.31M/123.08M 38.20M/123.08M 146. 96 38.20M/123.09M 38.20M/122.96M 145. 97 38.00M/122.99M 38.00M/122.90M 180. 98 38.00M/122.99M 38.00M/123.01M 200. 99 38.00M/123.01M 38.00M/122.90M 180. 99 38.00M/123.01M 38.00M/122.90M 180. 90 38.00M/123.01M 38.00M/122.90M 180. 91 38.00M/123.01M 38.00M/123.01M 200. 92 38.00M/123.01M 38.00M/123.01M 200. 93 38.00M/123.01M 38.00M/123.01M 200. 94 38.00M/123.01M 38.00M/123.01M 200. 95 38.31M/123.00M 37.80M/123.51M 137. 96 38.00M/123.51M 37.80M/123.51M 137. 97 38.00M/123.51M 37.80M/123.51M 137. 98 38.00M/123.31M 37.80M/123.51M 137. 90 37.80M/123.51M 37.80M/123.51M 137. 90 37.80M/123.51M 37.50M/122.81M 152. 90 37.80M/122.40M 37.30M/122.41M 152. 90 37.80M/122.41M 37.50M/122.41M 152. 90 37.50M/122.41M 37.50M/122.41M 152. 90 37.50M/122.41M 37.11M/122.31M 154. 90 37.01M/122.21M 37.90M/122.20M 122. 91 36.95M/121.81M 36.73M/121.91M 180. 91 36.95M/121.90M 36.85M/121.91M 180. 91 36.50M/121.90M 36.85M/121.91M 180. 91 36.50M/121.90M 36.85M/121.91M 180. 91 36.50M/121.75M 36.1M/121.91M 180. 91 36.50M/121.90M 36.85M/121.91M 180. 91 36.50M/121.90M 36.85M/121.91M 172. 91 36.00M/121.90M 36.85M/121.91M 180. 91 36.50M/121.90M 36.26M/121.91M 180. 91 36.50M/121.90M 36.26M/121.93M 180. 91 36.50M/121.90M 36.30M/121.93M 180. 91 36.50M/121.90M 36.30M/121.93M 180. 91 36.50M/121.90M 36.30M/121.93M 180. 91 36.50M/121.90M 36.30M/121.93M 36.30M/121.93M 180. 91 36.50M/121.90M 36.30M/121.93M 180. 91 36.50M/121.90M 36.30M/121.93M 180. 91 36.50M/121.90M 36.30M/121.93M 36.30M/121.93M 36.30M/121.93M 36.30M/121.93M 36.30M/121.93M 3				156.	
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92 38.53N/123.30N 38.43N/123.16N 127. ABOUT 24 NAUTICAL HILES NORTH OF BODEGA HEAD, CA 93 38.43N/123.08N 38.3IN/123.08N 146. ABOUT 14 NAUTICAL HILES NORTH OF BODEGA HEAD, CA 94 38.3AN/123.08N 38.20N/122.96N 180. ABOUT 4 NAUTICAL HILES NORTH OF BODEGA HEAD, CA 95 38.3IN/123.08N 38.20N/122.96N 180. ABOUT 10 NAUTICAL HILES NORTH OF BODEGA HEAD, CA 96 38.20N/122.96N 38.00N/122.96N 180. ABOUT 7 NAUTICAL HILES NORTH OF BODEGA HEAD, CA 97 38.0BN/122.94N 38.00N/122.96N 180. ABOUT 7 NAUTICAL HILES NORTH OF POINT REYES, CA 98 38.00N/122.83N 37.8BN/122.71N 137. ABOUT 11 NAUTICAL HILES NORTH OF POINT REYES, CA 100 37.8BN/122.83N 37.8BN/122.63N 90. SOUTH OF BOLINAS POINT, CA 101 37.8BN/122.53N 37.8BN/122.53N 132. NORTH OF POINT BONITA, CA 102 37.8IN/122.53N 37.8BN/122.53N 171. NORTH OF SAN FRANCISCO, CA 103 37.56N/122.53N 37.56N/122.51N 170. SOUTH OF SAN FRANCISCO, CA 104 37.5BN/122.51N 37.50N/122.40N 177. POINT SAN PEDRO, CA 105 37.50N/122.40N 37.3BN/122.41N 152. SOUTH OF POINT HONTARA, CA 106 37.3BN/122.41N 37.26N/122.41N 180. ABOUT 11 NAUTICAL HILES SOUTH OF POINT HONTARA, CA 107 37.26N/122.41N 37.1IN/122.31N 154. NORTH OF PESCADERO POINT, CA 109 37.01N/122.21N 35.09N/122.10N 129. ABOUT 9 NAUTICAL HILES SOUTH OF POINT AND NUEVO, CA 110 36.95N/121.81N 36.68N/121.90N 80. SANTA CRUZ, CA 111 36.96N/121.90N 36.85N/121.81N 180. ABOUT 13 NAUTICAL HILES SOUTH OF POINT PINOS, CA 111 36.95N/121.81N 36.68N/121.93N 163. HONTEREY, CA 112 36.85N/121.81N 36.68N/121.93N 163. HONTEREY, CA 113 36.73N/121.81N 36.68N/121.93N 163. HONTEREY, CA 114 36.5BN/121.93N 36.2BN/121.93N 163. HONTEREY, CA 115 36.45N/121.93N 36.2BN/121.93N 163. HONTEREY, CA 116 36.2BN/121.97N 36.16N/121.93N 163. HONTEREY, CA 117 36.16N/121.75N 36.16N/121.75N 128. POINT SUR, CA 118 36.11N/121.66N 36.03N/121.65N 151. ABOUT 9 NAUTICAL HILES NORTH OF POINT SUR, CA 119 36.03N/121.63N 35.86N/121.53N 14b. LOPEZ POINT, CA 119 36.03N/121.63N 35.86N/121.53N 14b. LOPEZ POINT, CA	90	38.73N/123.51W	38.63N/123.41W	137.	SOUTH OF GUALALA MOUNTAIN, CA
93 38.43N/123.16M 38.36N/123.08M 180. ABOUT 14 NAUTICAL MILES NORTH OF BODEGA HEAD, CA 94 39.36N/123.08M 38.21N/123.08M 180. ABOUT 4 NAUTICAL MILES NORTH OF BODEGA HEAD, CA 95 38.20N/122.96M 38.00N/122.96M 180. ABOUT 10 NAUTICAL MILES NORTH OF BODEGA HEAD, CA 97 38.08N/122.96M 38.00N/123.01M 200. ABOUT 7 NAUTICAL MILES NORTH OF POINT REYES, CA 98 38.00N/123.01M 38.00N/123.01M 200. ABOUT 7 NAUTICAL MILES NORTH OF POINT REYES, CA 99 39.00N/123.01M 38.00N/122.83M 90. POINT REYES, CA 100 37.88N/122.71M 37.88N/122.53M 90. SOUTH OF BOLINAS POINT, CA 101 37.88N/122.53M 37.88N/122.53M 132. NORTH OF POINT BONITA, CA 102 37.81N/122.53M 37.66N/122.50M 171. NORTH OF SAN FRANCISCO, CA 104 37.58N/122.51M 37.50N/122.48M 177. POINT SAN PEDRO, CA 105 37.50N/122.49M 37.38N/122.41M 152. SOUTH OF POINT MONTARA, CA 106 37.38N/122.41M 37.26N/122.41M 180. ABOUT 11 NAUTICAL MILES SOUTH OF POINT MONTARA, CA 107 37.26N/122.41M 37.11N/122.31M 154. NORTH OF PESCADERO POINT, CA 108 37.11N/122.31M 37.01N/122.21M 135. POINT AND NUEVO, CA 109 37.01N/122.21M 36.95N/121.81M 164. EAST OF SANTA CRUZ, CA 110 36.95N/121.81M 36.53N/121.81M 180. ABOUT 13 NAUTICAL MILES SOUTH OF POINT PINOS, CA 111 36.96N/121.90M 36.85N/121.93M 163. MONTEREY, CA 112 36.65N/121.91M 36.63N/121.93M 180. ABOUT 13 NAUTICAL MILES NORTH OF POINT PINOS, CA 114 36.58N/121.91M 36.63N/121.93M 163. MONTEREY, CA 115 36.45N/121.93M 36.28N/121.93M 163. MONTEREY, CA 116 36.28N/121.93M 36.28N/121.93M 163. MONTEREY, CA 117 36.16N/121.75M 36.16N/121.75M 180. ABOUT 11 NAUTICAL MILES NORTH OF POINT SUR, CA 118 36.11N/121.68M 36.03N/121.63M 132. ABOUT 10 NAUTICAL MILES NORTH OF POINT SUR, CA 119 36.03N/121.63M 35.80N/121.63M 151. ABOUT 9 NAUTICAL MILES NORTH OF POINT SUR, CA 119 36.03N/121.63M 35.80N/121.53M 146. LOPEZ POINT, CA				138.	ABOUT 30 NAUTICAL MILES SOUTH OF POINT ARENA, CA
94 39.36N/123.08M 38.31N/123.08M 180. ABOUT 4 NAUTICAL MILES NORTH OF BODEGA HEAD, CA 95 38.51N/123.08M 38.20N/122.96M 143. BODEGA HEAD, CA 96 38.20N/122.96M 38.00N/123.01M 200. ABOUT 10 NAUTICAL MILES NORTH OF BODEGA HEAD, CA 97 38.08N/122.96M 38.00N/122.83M 90. POINT REYES, CA 98 38.00N/123.01M 38.00N/122.83M 90. POINT REYES, CA 99 38.00N/122.83M 37.88N/122.71M 137. ABOUT 11 NAUTICAL MILES SOUTH OF POINT REYES, CA 100 37.88N/122.53M 37.88N/122.53M 90. SOUTH OF BOLINAS POINT, CA 101 37.88N/122.53M 37.88N/122.53M 132. NORTH OF POINT BONITA, CA 102 37.81N/122.53M 37.66N/122.50M 171. NORTH OF SAN FRANCISCO, CA 103 37.66N/122.50M 37.50N/122.48M 177. POINT SAN PEDRO, CA 104 37.58N/122.41M 37.38N/122.41M 152. SOUTH OF POINT HONTARA, CA 105 37.35N/122.41M 37.11N/122.31M 154. NORTH OF POSCADERO POINT, CA 107 37.26N/122.41M 37.11N/122.31M 154. NORTH OF PESCADERO POINT, CA 108 37.11N/122.31M 37.01N/122.21M 135. POINT AND NUEVO, CA 109 37.01N/122.21M 36.95N/121.90M 36.95N/121.90M 80. SANTA CRUZ, CA 110 36.95N/121.90M 36.95N/121.91M 144. EAST OF SANTA CRUZ, CA 111 36.75N/121.91M 36.45N/121.93M 163. HONTEREY, CA 112 36.65N/121.99M 36.45N/121.93M 163. HONTEREY, CA 113 36.73N/121.91M 36.45N/121.93M 163. HONTEREY, CA 114 36.58N/121.99M 36.45N/121.93M 163. HONTEREY, CA 115 36.45N/121.99M 36.45N/121.93M 163. HONTEREY, CA 116 36.28N/121.99M 36.60N/121.65M 163. HONTEREY, CA 117 36.16N/121.75M 36.16N/121.75M 128. POINT SUR, CA 118 36.11N/121.68M 36.03N/121.65M 151. ABOUT 1 NAUTICAL HILES NORTH OF POINT SUR, CA 119 36.03N/121.63M 35.86N/121.53M 146. LOPEZ POINT, CA		38.53N/123.30W	38.43N/123.16W	127.	ABOUT 24 NAUTICAL HILES NORTH OF BODEGA HEAD, CA
95 38.31N/123.08N 38.20N/122.96N 143. BODEGA HEAD, CA 96 38.20N/122.96N 38.08N/122.96N 180. ABOUT 10 NAUTICAL MILES SOUTH OF BODEGA HEAD, CA 97 38.08N/122.97N 38.00N/123.01N 200. ABOUT 7 NAUTICAL MILES NORTH OF POINT REYES, CA 98 38.00N/122.83N 90. POINT REYES, CA 100 37.88N/122.83N 37.88N/122.71N 137. ABOUT 11 NAUTICAL MILES SOUTH OF POINT REYES, CA 100 37.88N/122.53N 37.88N/122.53N 132. NORTH OF POINT BONITA, CA 101 37.88N/122.53N 37.66N/122.50N 171. NORTH OF SAN FRANCISCO, CA 103 37.66N/122.50N 37.59N/122.51N 190. SOUTH OF SAN FRANCISCO, CA 104 37.58N/122.51N 37.50N/122.48N 177. POINT SAN PEDRO, CA 105 37.50N/122.48N 37.38N/122.41N 180. ABOUT 11 NAUTICAL MILES SOUTH OF POINT HONTARA, CA 106 37.38N/122.41N 37.11N/122.31N 154. NORTH OF PESCADERO POINT, CA 107 37.26N/122.21N 37.01N/122.21N 135. POINT AND NUEVO, CA 108 37.11N/122.31N 37.01N/122.21N 135. POINT AND NUEVO, CA 109 37.01N/122.22N 36.95N/122.08N 129. ABOUT 9 NAUTICAL MILES SOUTH OF POINT AND NUEVO, CA 110 36.95N/121.81N 36.73N/121.81N 180. ABOUT 13 NAUTICAL MILES SOUTH OF POINT AND NUEVO, CA 111 36.96N/121.90N 36.85N/121.90N 80. SANTA CRUZ, CA 112 36.85N/121.81N 36.73N/121.81N 180. ABOUT 13 NAUTICAL MILES SOUTH OF POINT PINOS, CA 114 36.58N/121.93N 36.45N/121.93N 225. ABOUT 10 NAUTICAL MILES NORTH OF POINT SUR, CA 115 36.45N/121.93N 36.45N/121.93N 163. MONTEREY, CA 116 36.28N/121.93N 36.45N/121.93N 163. MONTEREY, CA 117 36.16N/121.75N 36.16N/121.75N 163. ABOUT 10 NAUTICAL MILES NORTH OF POINT SUR, CA 118 36.11N/121.68N 36.03N/121.63N 151. ABOUT 10 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63N 35.86N/121.53N 146. LOPEZ POINT, CA		33.43N/123.16W	38.36N/123.08W	146.	ABOUT 14 NAUTICAL MILES NORTH OF BODEGA HEAD. CA
96 38.20N/122.96M 38.08N/122.96M 180. ABOUT 10 NAUTICAL MILES SOUTH OF BODEGA HEAD, CA 97 38.08N/122.96M 38.00N/122.83M 90. ABOUT 7 NAUTICAL MILES NORTH OF POINT REYES, CA 98 38.00N/122.83M 38.00N/122.83M 90. POINT REYES, CA 99 38.00N/122.83M 37.88N/122.71M 137. ABOUT 11 NAUTICAL MILES SOUTH OF POINT REYES, CA 100 37.88N/122.71M 37.88N/122.63M 90. SOUTH OF BOLINAS POINT, CA 101 37.88N/122.53M 37.88N/122.53M 132. NORTH OF POINT BONITA, CA 102 37.81N/122.53M 37.66N/122.50M 171. NORTH OF SAN FRANCISCO, CA 103 37.66N/122.50M 37.50N/122.51M 190. SOUTH OF SAN FRANCISCO, CA 104 37.58N/122.48M 37.350N/122.48M 177. POINT SAN PEDRO, CA 105 37.50N/122.48M 37.38N/122.41M 152. SOUTH OF POINT HONTARA, CA 106 37.38N/122.41M 37.11N/122.31M 154. NORTH OF PESCADERO POINT, CA 107 37.26N/122.41M 37.11N/122.31M 154. NORTH OF PESCADERO POINT, CA 108 37.11N/122.31M 37.01N/122.21M 135. POINT AND NUEVO, CA 109 37.01N/122.21M 36.95N/122.08M 129. ABOUT 9 NAUTICAL MILES SOUTH OF POINT AND NUEVO, CA 110 36.95N/121.90M 36.45N/121.90M 80. SANTA CRUZ, CA 111 36.73N/121.81M 36.63N/121.93M 225. ABOUT 10 NAUTICAL MILES NORTH OF POINT PINOS, CA 114 36.58N/121.91M 36.65N/121.93M 163. HONTEREY, CA 115 36.45N/121.93M 36.45N/121.93M 163. HONTEREY, CA 116 36.28N/121.93M 36.16N/121.75M 128. POINT SUR, CA 117 36.16N/121.75M 36.16N/121.75M 132. ABOUT 10 NAUTICAL MILES NORTH OF POINT SUR, CA 118 36.11N/121.68M 36.03N/121.68M 132. ABOUT 10 NAUTICAL MILES NORTH OF POINT SUR, CA 119 36.03N/121.63M 35.86N/121.53M 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63M 35.86N/121.53M 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.68M 36.03N/121.53M 146. LOPEZ POINT, CA	94	39.36N/123.08W	38.31N/123.08W	180.	ABOUT 4 NAUTICAL MILES NORTH OF BODEGA HEAD, CA
97 38.08M/122.96M 38.00M/123.01M 200. ABOUT 7 NAUTICAL MILES WORTH OF POINT REYES, CA 98 38.00M/123.01M 38.00M/122.83M 90. POINT REYES, CA 99 33.00M/122.83M 37.88M/122.71M 137. ABOUT 11 NAUTICAL MILES SOUTH OF POINT REYES, CA 100 37.88M/122.63M 37.88M/122.63M 90. SOUTH OF BOLIMAS POINT, CA 101 37.88M/122.53M 37.86M/122.53M 132. NORTH OF POINT BONITA, CA 102 37.81M/122.53M 37.66M/122.50M 171. NORTH OF SAN FRANCISCO, CA 103 37.66M/122.53M 37.58M/122.51M 190. SOUTH OF SAN FRANCISCO, CA 104 37.58M/122.51M 37.50M/122.49M 177. POINT SAN PEDRO, CA 105 37.50M/122.48M 37.38M/122.41M 152. SOUTH OF POINT HONTARA, CA 106 37.38M/122.41M 37.26M/122.41M 180. ABOUT 11 NAUTICAL MILES SOUTH OF POINT MONTARA, CA 107 37.26M/122.31M 37.11M/122.31M 154. NORTH OF PESCADERO POINT, CA 108 37.11M/122.31M 37.11M/122.31M 154. NORTH OF PESCADERO POINT, CA 109 37.01M/122.31M 37.01M/122.21M 135. POINT AND NUEVO, CA 109 37.01M/122.31M 36.95M/121.90M 80. SANTA CRUZ, CA 110 36.95M/121.90M 36.85M/121.91M 144. EAST OF SANTA CRUZ, CA 111 36.96M/121.90M 36.85M/121.91M 180. ABOUT 13 NAUTICAL MILES SOUTH OF POINT PINOS, CA 114 36.58M/121.91M 36.63M/121.93M 180. ABOUT 10 NAUTICAL MILES NORTH OF POINT PINOS, CA 115 36.45M/121.93M 36.45M/121.93M 163. HONTEREY, CA 116 36.28M/121.93M 36.45M/121.93M 163. HONTEREY, CA 117 36.16M/121.75M 36.16M/121.75M 128. POINT SUR, CA 118 36.11M/121.68M 36.03M/121.63M 151. ABOUT 9 NAUTICAL MILES NORTH OF POINT SUR, CA 119 36.03M/121.53M 35.86M/121.53M 146. LOPEZ POINT, CA				143.	BODEGA HEAD, CA
98 38.00M/123.01M 38.00M/122.83M 90. PDINT REYES, CA 99 33.00M/122.83M 37.88M/122.71M 137. ABOUT 11 NAUTICAL MILES SOUTH OF POINT REYES, CA 100 37.88M/122.63M 37.88M/122.53M 90. SOUTH OF BOLINAS POINT, CA 101 37.88M/122.53M 37.81M/122.53M 132. NORTH OF POINT BONITA, CA 102 37.81M/122.53M 37.66M/122.50M 171. NORTH OF SAN FRANCISCO, CA 103 37.66M/122.50M 37.58M/122.51M 190. SOUTH OF SAN FRANCISCO, CA 104 37.58M/122.51M 37.50M/122.41M 152. SOUTH OF POINT MONTARA, CA 105 37.50M/122.48M 37.38M/122.41M 152. SOUTH OF POINT MONTARA, CA 106 37.38M/122.41M 37.11M/122.31M 154. NORTH OF PESCADERO POINT, CA 107 37.26M/122.41M 37.11M/122.31M 154. NORTH OF PESCADERO POINT, CA 108 37.11M/122.31M 37.01M/122.21M 135. POINT AND NUEVO, CA 109 37.01M/122.21M 36.95M/121.90M 80. SANTA CRUZ, CA 110 36.95M/121.81M 36.73M/121.81M 180. ABOUT 13 NAUTICAL MILES SOUTH OF POINT AND NUEVO, CA 111 36.96M/121.90M 36.85M/121.81M 180. ABOUT 13 NAUTICAL MILES SOUTH OF POINT PINOS, CA 114 36.58M/121.81M 36.63M/121.93M 225. ABOUT 10 NAUTICAL MILES NORTH OF POINT FINOS, CA 115 36.45M/121.93M 36.45M/121.93M 163. MONTEREY, CA 116 36.28M/121.93M 36.28M/121.93M 163. MONTEREY, CA 117 36.16M/121.75W 36.11M/121.68M 132. ABOUT 10 NAUTICAL MILES NORTH OF POINT SUR, CA 118 36.11M/121.68M 36.03M/121.63M 151. ABOUT 9 NAUTICAL MILES NORTH OF POINT SUR, CA 119 36.03M/121.68M 36.03M/121.63M 151. ABOUT 9 NAUTICAL MILES NORTH OF POINT SUR, CA 119 36.03M/121.68M 36.03M/121.63M 151. ABOUT 9 NAUTICAL MILES NORTH OF POINT SUR, CA 119 36.03M/121.68M 36.03M/121.53M 146. LOPEZ POINT, CA	96			180.	
99 33.00N/122.83N 37.88N/122.71N 137. ABOUT 11 NAUTICAL MILES SOUTH OF POINT REYES, CA 100 37.88N/122.53N 37.88N/122.53N 90. SOUTH OF BOLINAS POINT, CA 101 37.88N/122.53N 37.81N/122.53N 132. NORTH OF POINT BONITA, CA 102 37.81N/122.53N 37.66N/122.50N 171. NORTH OF SAN FRANCISCO, CA 103 37.66N/122.50N 37.59N/122.51N 190. SOUTH OF SAN FRANCISCO, CA 104 37.58N/122.51N 37.50N/122.48N 177. POINT SAN PEDRO, CA 105 37.50N/122.48N 37.38N/122.41N 152. SOUTH OF POINT HONTARA, CA 106 37.38N/122.41N 37.26N/122.31N 184. NORTH OF PESCADERO POINT, CA 107 37.26N/122.41N 37.11N/122.31N 154. NORTH OF PESCADERO POINT, CA 108 37.11N/122.31N 37.01N/122.21N 135. POINT AND NUEVO, CA 109 37.01N/122.21N 36.95N/122.08N 129. ABOUT 9 NAUTICAL MILES SOUTH OF POINT AND NUEVO, CA 110 36.95N/122.08N 36.96N/121.90N 80. SANTA CRUZ, CA 111 36.96N/121.90N 36.85N/121.81N 180. ABOUT 13 NAUTICAL MILES SOUTHEAST OF SANTA CRUZ, CA 112 36.85N/121.81N 36.73N/121.81N 180. ABOUT 13 NAUTICAL MILES NORTH OF POINT PINOS, CA 114 36.58N/121.91N 36.63N/121.93N 163. HONTEREY, CA 115 36.45N/121.93N 36.28N/121.93N 163. HONTEREY, CA 116 36.28N/121.93N 36.28N/121.91N 172. ABOUT 10 NAUTICAL MILES NORTH OF POINT SUR, CA 117 36.16N/121.75N 36.16N/121.75N 128. POINT SUR, CA 118 36.11N/121.68N 36.03N/121.63N 151. ABOUT 9 NAUTICAL MILES NORTH OF POINT SUR, CA 119 36.03N/121.63N 35.86N/121.53N 146. LOPEZ POINT, CA					ABOUT 7 NAUTICAL MILES NORTH OF POINT REYES, CA
100 37.88N/122.71W 37.88N/122.63N 90. SOUTH OF BOLINAS POINT, CA 101 37.88N/122.63N 37.81N/122.53W 132. NORTH OF POINT BONITA, CA 102 37.81N/122.53N 37.66N/122.50N 171. NORTH OF SAN FRANCISCO, CA 103 37.66N/122.50N 37.58N/122.51M 190. SOUTH OF SAN FRANCISCO, CA 104 37.58N/122.51M 37.50N/122.48M 177. POINT SAN PEDRO, CA 105 37.50N/122.49W 37.38N/122.41W 152. SOUTH OF POINT HONTARA, CA 106 37.38N/122.41W 37.26N/122.41W 180. ABOUT 11 NAUTICAL MILES SOUTH OF POINT HONTARA, CA 107 37.26N/122.41W 37.11N/122.31M 154. NORTH OF PESCADERO POINT, CA 108 37.11N/122.31M 37.01N/122.21M 135. POINT AND NUEVO, CA 109 37.01N/122.21W 36.95N/122.08W 129. ABOUT 9 NAUTICAL MILES SOUTH OF POINT AND NUEVO, CA 110 36.95N/121.00W 36.85N/121.00W 80. SANTA CRUZ, CA 111 36.96N/121.00W 36.85N/121.00W 80. SANTA CRUZ, CA 112 36.85N/121.00W 36.45N/121.00W 225. ABOUT 13 NAUTICAL MILES NORTH OF POINT PINOS, CA 114 36.58N/121.91W 36.45N/121.93W 163. MONTEREY, CA 115 36.45N/121.91W 36.45N/121.91W 172. ABOUT 11 NAUTICAL MILES NORTH OF POINT SUR, CA 116 36.28N/121.91W 36.16N/121.75W 163. MONTEREY, CA 117 36.16N/121.75W 36.16N/121.75W 120. POINT SUR, CA 118 36.11N/121.68W 36.03N/121.63W 132. ABOUT 10 NAUTICAL MILES NORTH OF POINT SUR, CA 119 36.03N/121.63W 35.86N/121.53W 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63W 35.86N/121.53W 146. LOPEZ POINT, CA				90.	POINT REYES, CA
101 37.88N/122.63N 37.81N/122.53N 132. NORTH OF POINT BONITA, CA 102 37.81N/122.53N 37.66N/122.50N 171. NORTH OF SAN FRANCISCO, CA 103 37.66N/122.50N 37.58N/122.51N 190. SOUTH OF SAN FRANCISCO, CA 104 37.58N/122.51N 37.50N/122.48N 177. POINT SAN PEDRO, CA 105 37.50N/122.48N 37.38N/122.41N 152. SOUTH OF POINT HONTARA, CA 106 37.38N/122.41N 37.26N/122.41N 180. ABOUT 11 NAUTICAL MILES SOUTH OF POINT MONTARA, CA 107 37.26N/122.41N 37.11N/122.31N 154. NORTH OF PESCADERO POINT, CA 108 37.11N/122.31N 37.01N/122.21N 135. POINT AND NUEVO, CA 109 37.01N/122.21N 36.95N/122.08N 129. ABOUT 9 NAUTICAL MILES SOUTH OF POINT AND NUEVO, CA 110 36.95N/121.90N 36.85N/121.90N 80. SANTA CRUZ, CA 111 36.96N/121.90N 36.85N/121.81N 180. ABOUT 13 NAUTICAL MILES SOUTHEAST OF SANTA CRUZ, CA 112 36.85N/121.91N 36.45N/121.93N 125. ABOUT 10 NAUTICAL MILES NORTH OF POINT PINOS, CA 114 36.58N/121.93N 36.45N/121.93N 163. MONTEREY, CA 115 36.45N/121.93N 36.28N/121.91N 172. ABOUT 11 NAUTICAL MILES NORTH OF POINT SUR, CA 116 36.28N/121.91N 36.16N/121.75N 128. POINT SUR, CA 117 36.16N/121.75N 36.11N/121.68N 132. ABOUT 10 NAUTICAL MILES SOUTH OF POINT SUR, CA 118 36.11N/121.68N 36.03N/121.63N 151. ABOUT 9 NAUTICAL MILES NORTH OF POINT SUR, CA 119 36.03N/121.63N 35.86N/121.53N 146. LOPEZ POINT, CA	99			137.	ABOUT 11 NAUTICAL MILES SOUTH OF POINT REYES, CA
102 37.81N/122.53N 37.66N/122.50N 171. NORTH OF SAN FRANCISCO, CA 103 37.66N/122.50N 37.58M/122.51N 190. SOUTH OF SAN FRANCISCO, CA 104 37.58N/122.51N 37.50N/122.48N 177. PDINT SAN PEDRO, CA 105 37.50N/122.49N 37.38N/122.41N 152. SOUTH OF POINT HONTARA, CA 106 37.38N/122.41N 37.26N/122.41N 180. ABOUT 11 NAUTICAL MILES SOUTH OF POINT MONTARA, CA 107 37.26N/122.41N 37.11N/122.31N 154. NORTH OF PESCADERO POINT, CA 108 37.11N/122.31N 37.01N/122.21N 135. POINT AND NUEVO, CA 109 37.01N/122.21N 36.95N/122.08N 129. ABOUT 9 NAUTICAL MILES SOUTH OF POINT AND NUEVO, CA 110 36.95N/122.08N 36.96N/121.90N 80. SANTA CRUZ, CA 111 36.96N/121.90N 36.85N/121.81N 180. ABOUT 13 NAUTICAL MILES SOUTHEAST OF SANTA CRUZ, CA 113 36.73N/121.81N 36.63N/121.93N 225. ABOUT 10 NAUTICAL MILES NORTH OF POINT PINOS, CA 114 36.58N/121.94N 36.45N/121.93N 163. MONTEREY, CA 115 36.45N/121.93N 36.28N/121.91N 172. ABOUT 11 NAUTICAL MILES NORTH OF POINT SUR, CA 116 36.28N/121.91N 36.16N/121.75N 128. POINT SUR, CA 117 36.16N/121.75N 36.11N/121.68N 132. ABOUT 10 NAUTICAL MILES NORTH OF POINT SUR, CA 118 36.11N/121.68N 36.03N/121.63N 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63N 35.86N/121.53N 146. LOPEZ POINT, CA	100	37.88N/122.71W	37.88N/122.63N	90.	SOUTH OF BOLINAS POINT, CA
103 37.66N/122.50N 37.59N/122.51N 190. SOUTH OF SAN FRANCISCO, CA 104 37.58N/122.51N 37.50N/122.48N 177. PDINT SAN PEDRO, CA 105 37.50N/122.48N 37.38N/122.41N 152. SOUTH OF POINT HONTARA, CA 106 37.38N/122.41N 37.26N/122.41N 180. ABOUT 11 NAUTICAL MILES SOUTH OF POINT MONTARA, CA 107 37.26N/122.41N 37.11N/122.31N 154. NORTH OF PESCADERO POINT, CA 108 37.11N/122.31N 37.01N/122.21N 135. POINT AND NUEVO, CA 109 37.01N/122.21N 36.95N/122.08N 129. ABOUT 9 NAUTICAL MILES SOUTH OF POINT AND NUEVO, CA 110 36.95N/121.90N 36.85N/121.90N 80. SANTA CRUZ, CA 111 36.96N/121.90N 36.85N/121.81N 144. EAST OF SANTA CRUZ, CA 112 36.85N/121.81N 36.73N/121.81N 180. ABOUT 13 NAUTICAL MILES SOUTHEAST OF SANTA CRUZ, CA 113 36.73N/121.81N 36.63N/121.93N 225. ABOUT 10 NAUTICAL MILES NORTH OF POINT PINOS, CA 114 36.58N/121.93N 36.28N/121.93N 163. MONTEREY, CA 115 36.45N/121.93N 36.28N/121.91N 172. ABOUT 11 NAUTICAL MILES NORTH OF POINT SUR, CA 116 36.28N/121.91N 36.16N/121.75N 128. POINT SUR, CA 117 36.16N/121.75N 36.11N/121.68N 132. ABOUT 10 NAUTICAL MILES NORTH OF POINT SUR, CA 118 36.11N/121.68N 36.03N/121.63N 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63N 35.86N/121.53N 146. LOPEZ POINT, CA				132.	
104 37.58N/122.51N 37.50N/122.48M 177. PDINT SAN PEDRO, CA 105 37.50N/122.48M 37.38N/122.41M 152. SOUTH OF POINT MONTARA, CA 106 37.38N/122.41M 37.26N/122.41M 180. ABOUT 11 NAUTICAL MILES SOUTH OF POINT MONTARA, CA 107 37.26N/122.41M 37.11N/122.31M 154. NORTH OF PESCADERO POINT, CA 108 37.11N/122.31M 37.01N/122.21M 135. POINT AND NUEVO, CA 109 37.01N/122.21M 36.95N/122.08M 129. ABOUT 9 NAUTICAL MILES SOUTH OF POINT AND NUEVO, CA 110 36.95N/121.90M 36.85N/121.90M 80. SANTA CRUZ, CA 111 36.96N/121.90M 36.85N/121.81M 180. ABOUT 13 NAUTICAL MILES SOUTHEAST OF SANTA CRUZ, CA 112 36.85N/121.81M 36.73N/121.81M 180. ABOUT 13 NAUTICAL MILES NORTH OF POINT PINOS, CA 114 36.58N/121.93M 36.45N/121.93M 225. ABOUT 10 NAUTICAL MILES NORTH OF POINT SUR, CA 115 36.45N/121.93M 36.28N/121.91M 172. ABOUT 11 NAUTICAL MILES NORTH OF POINT SUR, CA 116 36.28N/121.91M 36.16N/121.75N 128. POINT SUR, CA 117 36.16N/121.75M 36.16N/121.68M 132. ABOUT 10 NAUTICAL MILES NORTH OF POINT SUR, CA 118 36.11N/121.68M 36.03N/121.63M 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63M 35.86N/121.53M 146. LOPEZ POINT, CA	102	37.81N/122.53W	37.66N/122.50W	171.	NORTH OF SAN FRANCISCO, CA
105 37.50N/122.49N 37.38N/122.41N 152. SOUTH OF POINT HONTARA, CA 106 37.38N/122.41N 37.26N/122.41N 180. ABOUT 11 NAUTICAL MILES SOUTH OF POINT HONTARA, CA 107 37.26N/122.41N 37.11N/122.31N 154. NORTH OF PESCADERO POINT, CA 108 37.11N/122.31N 37.01N/122.21N 135. POINT AND NUEVO, CA 109 37.01N/122.21N 36.95N/122.08N 129. ABOUT 9 NAUTICAL MILES SOUTH OF POINT AND NUEVO, CA 110 36.95N/122.08N 36.96N/121.90N 80. SANTA CRUZ, CA 111 36.96N/121.90N 36.85N/121.81N 144. EAST OF SANTA CRUZ, CA 112 36.85N/121.81N 36.73N/121.81N 180. ABOUT 13 NAUTICAL MILES SOUTHEAST OF SANTA CRUZ, CA 113 36.73N/121.81N 36.63N/121.93N 225. ABOUT 10 NAUTICAL MILES NORTH OF POINT PINOS, CA 114 36.58N/121.96N 36.45N/121.93N 163. MONTEREY, CA 115 36.45N/121.93N 36.28N/121.91N 172. ABOUT 11 NAUTICAL MILES NORTH OF POINT SUR, CA 116 36.28N/121.91N 36.16N/121.75N 128. POINT SUR, CA 117 36.16N/121.75N 36.11N/121.68N 132. ABOUT 10 NAUTICAL MILES SOUTH OF POINT SUR, CA 118 36.11N/121.68N 36.03N/121.63N 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63N 35.86N/121.53N 146. LOPEZ POINT, CA	103	37.66N/122.50W	37.58N/122.51W	190.	
106 37.38N/122.41W 37.26N/122.41W 180. ABOUT 11 NAUTICAL MILES SOUTH OF POINT MONTARA, CA 107 37.26N/122.41W 37.11N/122.31W 154. NORTH OF PESCADERO POINT, CA 108 37.11N/122.31W 37.01N/122.21W 135. POINT AND NUEVO, CA 109 37.01N/122.21W 36.95N/122.08W 129. ABOUT 9 NAUTICAL MILES SOUTH OF POINT AND NUEVO, CA 110 36.95N/122.08W 36.96N/121.90W 80. SANTA CRUZ, CA 111 36.96N/121.90W 36.85N/121.81W 180. ABOUT 13 NAUTICAL MILES SOUTHEAST OF SANTA CRUZ, CA 112 36.85N/121.81W 36.73N/121.81W 180. ABOUT 13 NAUTICAL MILES NORTH OF POINT PINOS, CA 113 36.73N/121.81W 36.63N/121.93W 225. ABOUT 10 NAUTICAL MILES NORTH OF POINT PINOS, CA 114 36.58N/121.96W 36.45N/121.93W 163. MONTEREY, CA 115 36.45N/121.93W 36.28N/121.91W 172. ABOUT 11 NAUTICAL MILES NORTH OF POINT SUR, CA 116 36.28N/121.91W 36.16N/121.75N 128. POINT SUR, CA 117 36.16N/121.75W 36.11N/121.68W 132. ABOUT 10 NAUTICAL MILES NORTH OF POINT SUR, CA 118 36.11N/121.68W 36.03N/121.33W 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63W 35.86N/121.53W 146. LOPEZ POINT, CA	104			177.	POINT SAN PEDRO, CA
107 37.26N/122.41M 37.11N/122.31M 154. NORTH OF PESCADERO POINT, CA 108 37.11N/122.31M 37.01N/122.21M 135. POINT AND NUEVO, CA 109 37.01N/122.21M 36.95N/122.08M 129. ABOUT 9 NAUTICAL MILES SOUTH OF POINT AND NUEVO, CA 110 36.95N/122.08M 36.96N/121.90M 80. SANTA CRUZ, CA 111 36.96N/121.90M 36.85N/121.81M 144. EAST OF SANTA CRUZ, CA 112 36.85N/121.81M 36.73N/121.81M 180. ABOUT 13 NAUTICAL MILES SOUTHEAST OF SANTA CRUZ, CA 113 36.73N/121.81M 36.63N/121.93M 225. ABOUT 10 NAUTICAL MILES NORTH OF POINT PINOS, CA 114 36.58N/121.96M 36.45N/121.93M 163. MONTEREY, CA 115 36.45N/121.93M 36.28N/121.91M 172. ABOUT 11 NAUTICAL MILES NORTH OF POINT SUR, CA 116 36.28N/121.91M 36.16N/121.75M 128. POINT SUR, CA 117 36.16N/121.75M 36.11N/121.68M 132. ABOUT 10 NAUTICAL MILES SOUTH OF POINT SUR, CA 118 36.11N/121.68M 36.03N/121.63M 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63M 35.86N/121.53M 146. LOPEZ POINT, CA				152.	· · · · · · · · · · · · · · · · · · ·
108 37.11N/122.31N 37.01N/122.21N 135. POINT AND NUEVO, CA 109 37.01N/122.21N 36.95N/122.08N 129. ABOUT 9 NAUTICAL MILES SOUTH OF POINT AND NUEVO, CA 110 36.95N/122.08N 36.96N/121.90N 80. SANTA CRUZ, CA 111 36.96N/121.90N 36.85N/121.81N 144. EAST OF SANTA CRUZ, CA 112 36.85N/121.81N 36.73N/121.81N 180. ABOUT 13 NAUTICAL MILES SOUTHEAST OF SANTA CRUZ, CA 113 36.73N/121.81N 36.63N/121.93N 225. ABOUT 10 NAUTICAL MILES NORTH OF POINT PINOS, CA 114 36.58N/121.96N 36.45N/121.93N 163. MONTEREY, CA 115 36.45N/121.93N 36.28N/121.91N 172. ABOUT 11 NAUTICAL MILES NORTH OF POINT SUR, CA 116 36.28N/121.91N 36.16N/121.75N 128. POINT SUR, CA 117 36.16N/121.75N 36.11N/121.68N 132. ABOUT 10 NAUTICAL MILES SOUTH OF POINT SUR, CA 118 36.11N/121.68N 36.03N/121.63N 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63N 35.86N/121.53N 146. LOPEZ POINT, CA	106	37.38N/122.41W	37.26N/122.41W	180.	ABOUT 11 NAUTICAL MILES SOUTH OF POINT MONTARA, CA
109 37.01N/122.21N 36.95N/122.08N 129. ABOUT 9 NAUTICAL MILES SOUTH OF POINT AND NUEVO, CA 110 36.95N/122.08N 36.96N/121.90N 80. SANTA CRUZ, CA 111 36.96N/121.90N 36.85N/121.81N 144. EAST OF SANTA CRUZ, CA 112 36.85N/121.81N 36.73N/121.81N 180. ABOUT 13 NAUTICAL MILES SOUTHEAST OF SANTA CRUZ, CA 113 36.73N/121.81N 36.63N/121.93N 225. ABOUT 10 NAUTICAL MILES NORTH OF POINT PINOS, CA 114 36.58N/121.96N 36.45N/121.93N 163. MONTEREY, CA 115 36.45N/121.93N 36.28N/121.91N 172. ABOUT 11 NAUTICAL MILES NORTH OF POINT SUR, CA 116 36.28N/121.91N 36.16N/121.75N 128. POINT SUR, CA 117 36.16N/121.75N 36.11N/121.68N 132. ABOUT 10 NAUTICAL MILES SOUTH OF POINT SUR, CA 118 36.11N/121.68N 36.03N/121.63N 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63N 35.86N/121.53N 146. LOPEZ POINT, CA	107	37.26N/122.41W	37.11N/122.31W	154.	,
110 36.95N/122.08M 36.96N/121.90M 80. SANTA CRUZ, CA 111 36.96N/121.90M 36.85N/121.81M 144. EAST OF SANTA CRUZ, CA 112 36.85N/121.81M 36.73N/121.81M 180. ABOUT 13 NAUTICAL MILES SOUTHEAST OF SANTA CRUZ, CA 113 36.73N/121.81M 36.63N/121.93M 225. ABOUT 10 NAUTICAL MILES NORTH OF POINT PINOS, CA 114 36.58N/121.96M 36.45N/121.93M 163. MONTEREY, CA 115 36.45N/121.93W 36.28N/121.91W 172. ABOUT 11 NAUTICAL MILES NORTH OF POINT SUR, CA 116 36.28N/121.91W 36.16N/121.75W 128. POINT SUR, CA 117 36.16N/121.75W 36.11N/121.68M 132. ABOUT 10 NAUTICAL MILES SOUTH OF POINT SUR, CA 118 36.11N/121.68W 36.03N/121.63W 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63W 35.86N/121.53W 146. LOPEZ POINT, CA	108			135.	· ·
111 36.96N/121.90N 36.85N/121.81N 144. EAST OF SANTA CRUZ, CA 112 36.85N/121.81N 36.73N/121.81N 180. ABOUT 13 NAUTICAL MILES SOUTHEAST OF SANTA CRUZ, CA 113 36.73N/121.81N 36.63N/121.93N 225. ABOUT 10 NAUTICAL MILES MORTH OF POINT PINOS, CA 114 36.58N/121.96N 36.45N/121.93N 163. MONTEREY, CA 115 36.45N/121.93N 36.28N/121.91N 172. ABOUT 11 NAUTICAL MILES NORTH OF POINT SUR, CA 116 36.28N/121.91N 36.16N/121.75N 128. POINT SUR, CA 117 36.16N/121.75N 36.11N/121.68N 132. ABOUT 10 NAUTICAL MILES SOUTH OF POINT SUR, CA 118 36.11N/121.68N 36.03N/121.63N 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63N 35.86N/121.53N 146. LOPEZ POINT, CA	109			129.	•
112 36.85N/121.81W 36.73N/121.81W 180. ABOUT 13 NAUTICAL MILES SOUTHEAST OF SANTA CRUZ, CA 113 36.73N/121.81W 36.63N/121.93W 225. ABOUT 10 NAUTICAL MILES NORTH OF POINT PINOS, CA 114 36.58N/121.96W 36.45N/121.93W 163. MONTEREY, CA 115 36.45N/121.93W 36.28N/121.91W 172. ABOUT 11 NAUTICAL MILES NORTH OF POINT SUR, CA 116 36.28N/121.91W 36.16N/121.75W 128. POINT SUR, CA 117 36.16N/121.75W 36.11N/121.68W 132. ABOUT 10 NAUTICAL MILES SOUTH OF POINT SUR, CA 118 36.11N/121.68W 36.03N/121.63W 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63W 35.86N/121.53W 146. LOPEZ POINT, CA	110	36.95N/122.08N	36.96N/121.90W	80.	SANTA CRUZ, CA
113 36.73N/121.81N 36.63N/121.93N 225. ABOUT 10 NAUTICAL MILES NORTH OF POINT PINGS, CA 114 36.58N/121.96N 36.45N/121.93N 163. MONTEREY, CA 115 36.45N/121.93N 36.28N/121.91N 172. ABOUT 11 NAUTICAL MILES NORTH OF POINT SUR, CA 116 36.28N/121.91N 36.16N/121.75N 128. POINT SUR, CA 117 36.16N/121.75N 36.11N/121.68N 132. ABOUT 10 NAUTICAL MILES SOUTH OF POINT SUR, CA 118 36.11N/121.68N 36.03N/121.63N 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63N 35.86N/121.53N 146. LOPEZ POINT, CA	111	36.96N/121.90W	36.85N/121.81W	144.	EAST OF SANTA CRUZ, CA
114 36.58N/121.96N 36.45N/121.93N 163. MONTEREY, CA 115 36.45N/121.93N 36.28N/121.91N 172. ABOUT 11 NAUTICAL MILES NORTH OF POINT SUR, CA 116 36.28N/121.91N 36.16N/121.75N 128. POINT SUR, CA 117 36.16N/121.75N 36.11N/121.68N 132. ABOUT 10 NAUTICAL MILES SOUTH OF POINT SUR, CA 118 36.11N/121.68N 36.03N/121.63N 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63N 35.86N/121.53N 146. LOPEZ POINT, CA	112	36.85N/121.81W	36.73N/121.81W	180.	ABOUT 13 NAUTICAL MILES SOUTHEAST OF SANTA CRUZ, CA
115 36.45N/121.93W 36.28N/121.91W 172. ABOUT 11 NAUTICAL MILES NORTH OF POINT SUR, CA 116 36.28N/121.91W 36.16N/121.75W 128. POINT SUR, CA 117 36.16N/121.75W 36.11N/121.68W 132. ABOUT 10 NAUTICAL MILES SOUTH OF POINT SUR, CA 118 36.11N/121.68W 36.03N/121.63W 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63W 35.86N/121.53W 146. LOPEZ POINT, CA				225.	
116 36.28N/121.91W 36.16N/121.75W 128. POINT SUR, CA 117 36.16N/121.75W 36.11N/121.68W 132. ABOUT 10 NAUTICAL MILES SOUTH OF POINT SUR, CA 118 36.11N/121.68W 36.03N/121.63W 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63W 35.86N/121.53W 146. LOPEZ POINT, CA	114	36.58N/121.96W	36.45N/121.93W	163.	MONTEREY, CA
117 36.16N/121.75W 36.11N/121.68W 132. ABOUT 10 NAUTICAL MILES SOUTH OF POINT SUR, CA 118 36.11N/121.68W 36.03N/121.63W 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63W 35.86N/121.53W 146. LOPEZ POINT, CA	115	36.45N/121.93W	36.28N/121.91W	172.	ABOUT 11 NAUTICAL MILES NORTH OF POINT SUR, CA
118 36.11N/121.68N 36.03N/121.63N 151. ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA 119 36.03N/121.63N 35.86N/121.53N 146. LOPEZ POINT, CA	116	36.28N/121.91W	36.16N/121.75W	128.	POINT SUR, CA
119 36.03M/121.63M 35.86M/121.53M 146. LOPEZ POINT, CA	117	36.16N/121.75W	36.11N/121.68W	132.	ABOUT 10 NAUTICAL MILES SOUTH OF POINT SUR, CA
		36.11N/121.68W	36.03N/121.63W	151.	ABOUT 9 NAUTICAL MILES NORTH OF LOPEZ POINT, CA
120 35.86N/121.53N 35.76N/121.41N 135. CAPE SAN MARTIN, CA		36.03N/121.63N	35.86N/121.53W	146.	LOPEZ POINT, CA
	120	35.86N/121.53W	35.76M/121.41W	135.	CAPE SAN MARTIN, CA

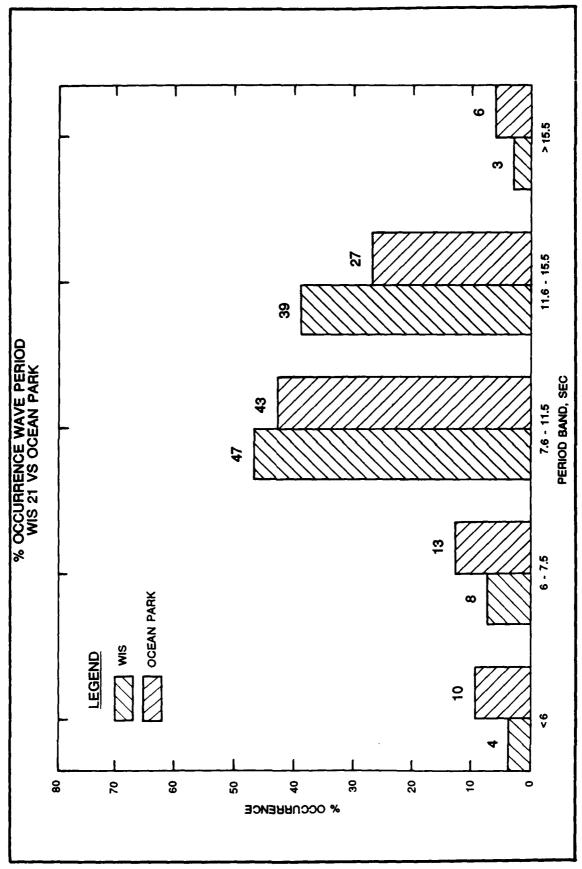
Table 1 (Concluded)

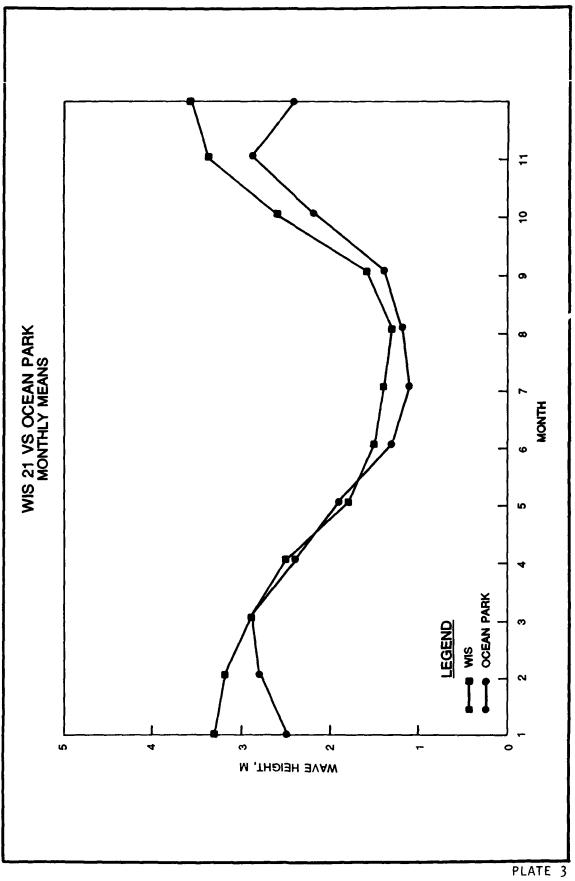
ST 1	LAT 1 / LONG 1	LAT 2 / LONG 2	ANGLE	LOCATION
121	35.76N/121.41W	35.63N/121.35W	158.	ABOUT 10 NAUTICAL MILES SOUTH OF CAPE SAN MARTIN, CA
122	35.63N/121.35N	35.56N/121.26W	110.	POINT PIEDRAS BLANCAS, CA
123	35.56N/121.26W	35.46N/121.20W	147.	SAN SIMEON. CA. CA
124	35.46N/121.20W	35.45N/121.01W	133.	ABOUT 9 NAUTICAL MILES SOUTH OF SAN SIMEON
125	35.45N/121.01W	35.41N/120.91W	110.	POINT ESTERO, CA, CA
126	35.41N/120.91W	35.23N/120.8BW	184.	ABOUT 9 NAUTICAL MILES SOUTH OF POINT ESTERO
127	35.23N/120.88W	35.16N/120.91W	125.	POINT BUCHON, CA
128	35.16N/120.81W	35.10N/120.65W	98.	AVILA BEACH, CA
129	35.10N/120.45W	34.85N/120.75W	182.	PISMO BEACH, CA
130		34.81N/120.68N		
131	34.81N/120.68W	34.73N/120.61W	190.	ABOUT 5 NAUTICAL MILES SOUTH OF POINT SAL, CA
132	34.73N/120.61W	34.60N/120.71W	183.	PURISINA POINT, CA
133				POINT ARGUELLO, CA
134	34.53N/120.60W	34.43N/120.46W	148.	POINT CONCEPTION, CA

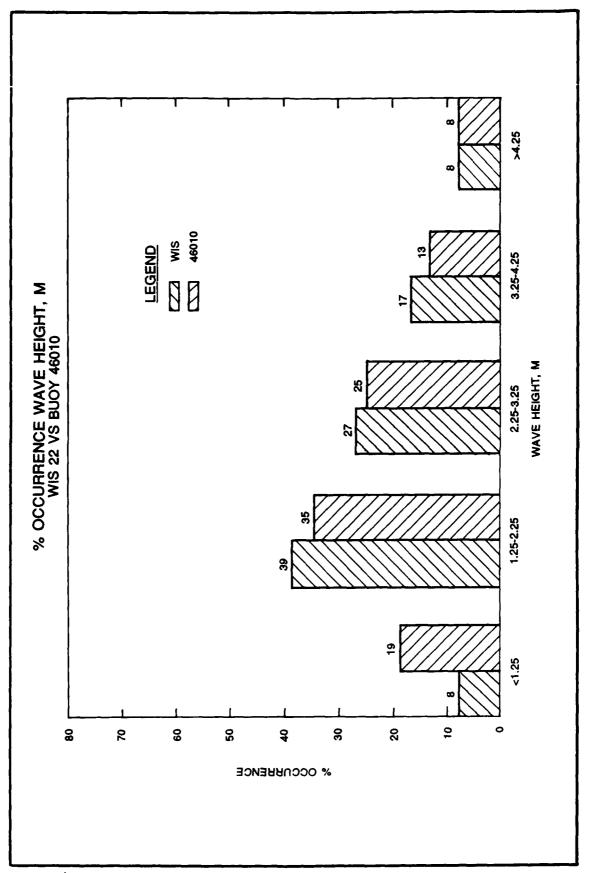
Table 2
Sheltered Pacific Coast Phase III Stations

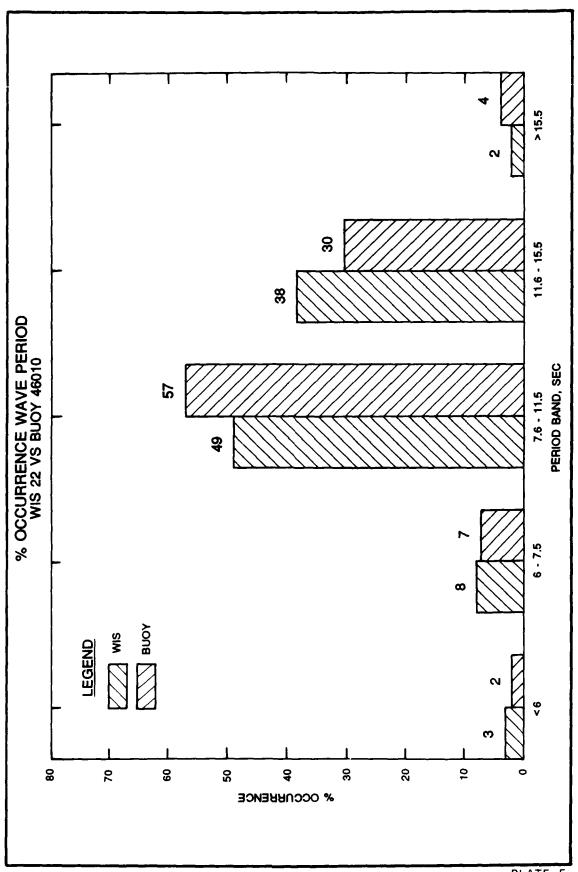
Station No.	Sheltered Angle, deg	Station No.	Sheltered Angle, deg
1	0-30;150-180	77	0-30
2	0-40	78	150-180
6	150-180	79	140-180
7	0-10; 160-180	80	0-30; 170-180
8	0-10; 160-180	81	0-20: 170-180
9	0–20	82	0-30
10	0–20	83	0-30
11	0-10	84	170-180
12	160-180	85	160-180
13	160-110	86	0-10; 160-180
14	0-10	87	0-30
15	0-10	92	160-180
16	0-10	93	0-10; 150-180
16 to 17	NULL	94	0-40
18 to 19	NULL	95	140-180
20	170–180	96	0-30;170-180
21	0-10	97	0-40
22	0-10; 160-180	98	130-180
21 to 22	NULL	99	0-40; 160-180
23	0-20; 160-180	100	110-180
24	0-30	101	0-20; 140-180
25 26	0-60	102	0-50; 170-180
26 27	0-10	103	0~60
28	170-180 0-10	104	0~30
29	170-180	105 106	160-180
31	0-20	108	0-20 160-180
32	0-10	109	150-180
43	170-180	110	90-180
44	170-180	111	0-40; 130-180
45	170-180	112	0-50; 150-180
46	1-10	113	0-70
47	170-180	113 to 114	NULL
48	170-180	114	0-10
49	170-180	115	0-20
50	0-10	116	170-180
52	160-180	117	0-20; 170-180
53	0-40	118	0-20
57	140-180	119	0-10
58	0-40; 160-180	120	170-180
59	0-20	121	0-20
60	150-180	122	140-180
61	0-30	123	0-20
62	170-180	124	160-180
63	0-10; 170-180	125	120-180
64	0-10	126	0-50
67	150-180	127	150-180
68	0-30; 170-180	128	110-180
69	0-20	129	0-40
70	0-10	130	140-180
71	0-10	131	0-40
73	170-180	132	0-20
74	0-20	133	140-180
76	160-180	134	150-180











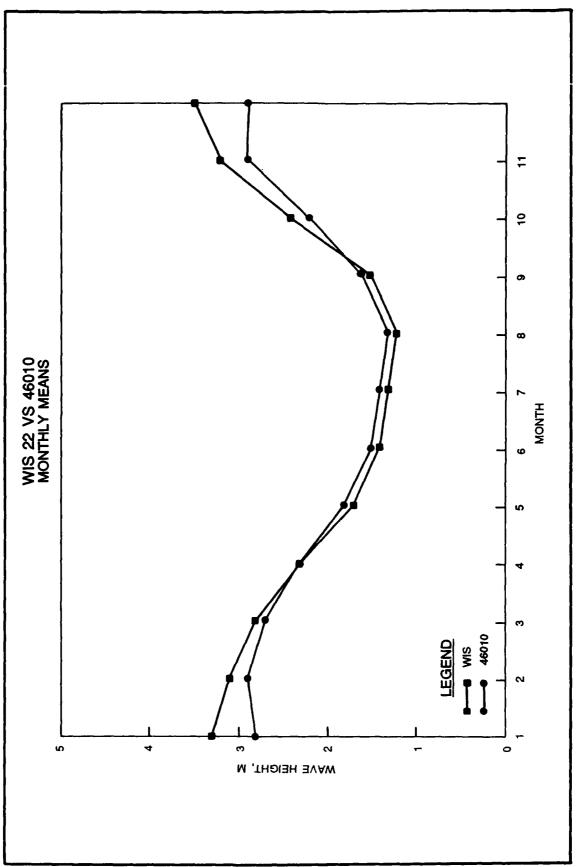
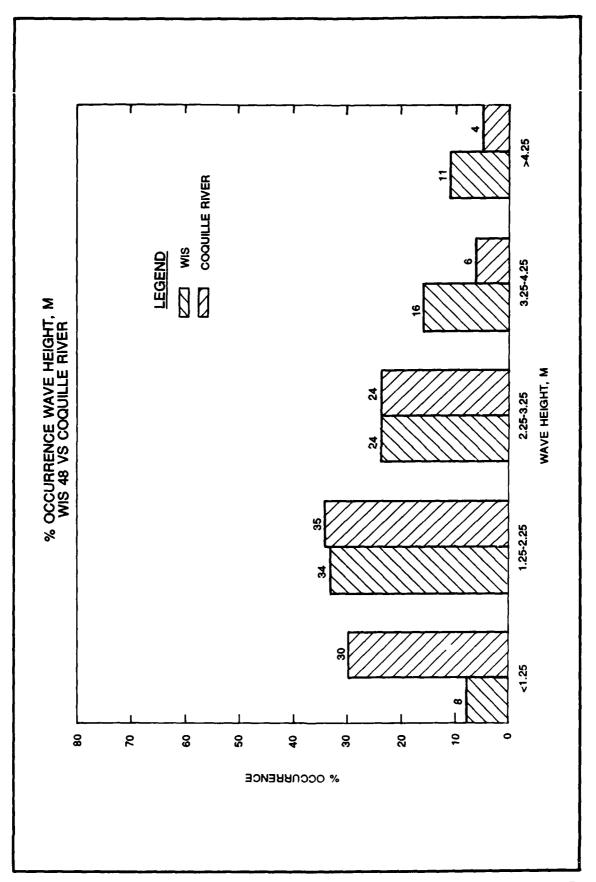
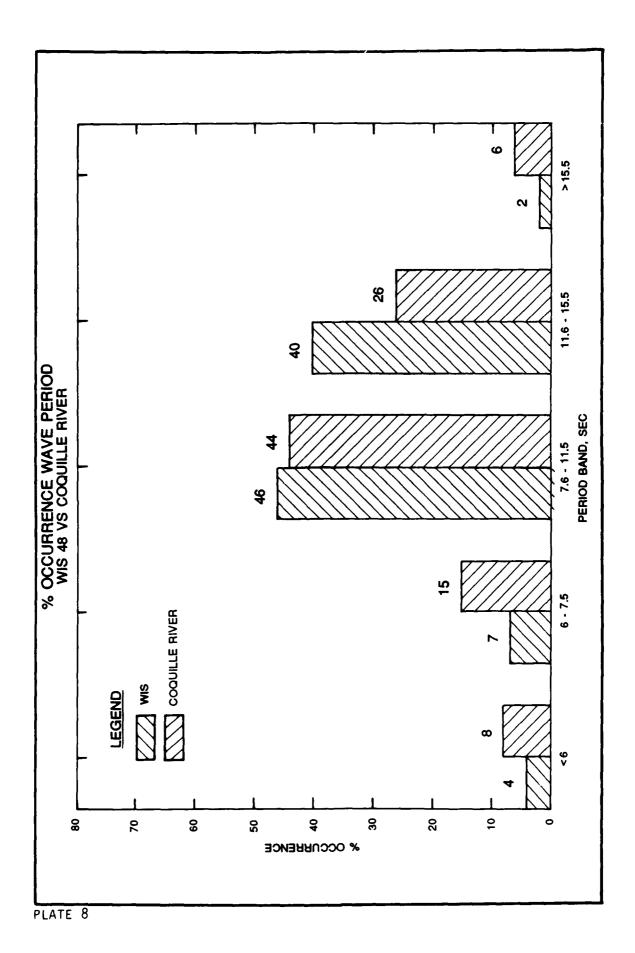
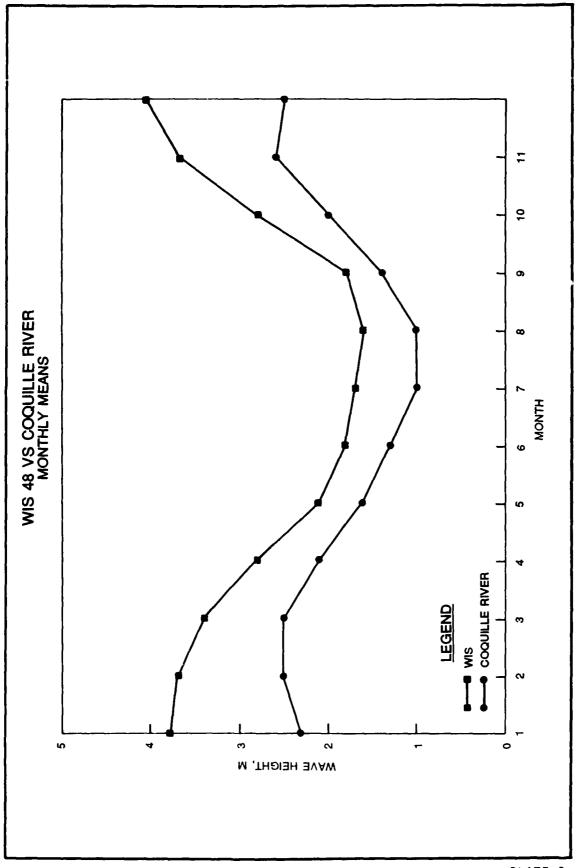
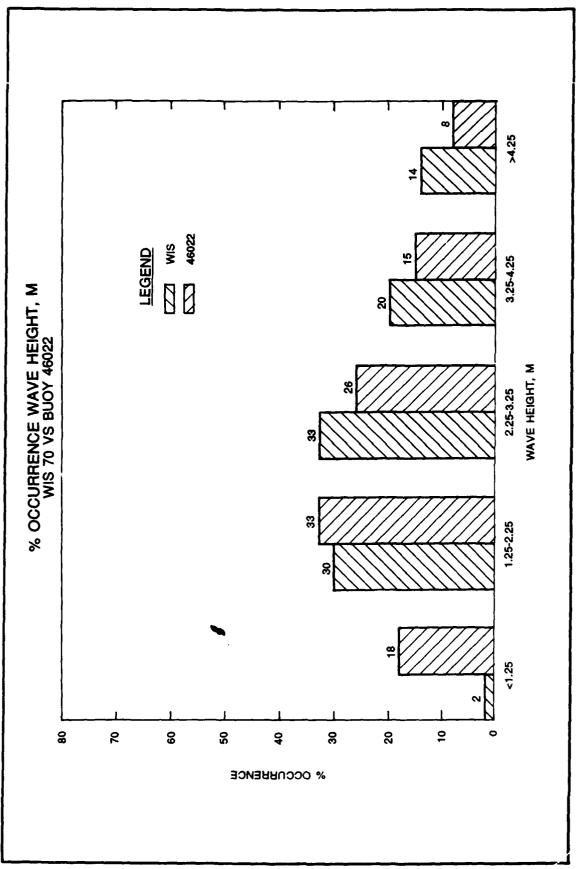


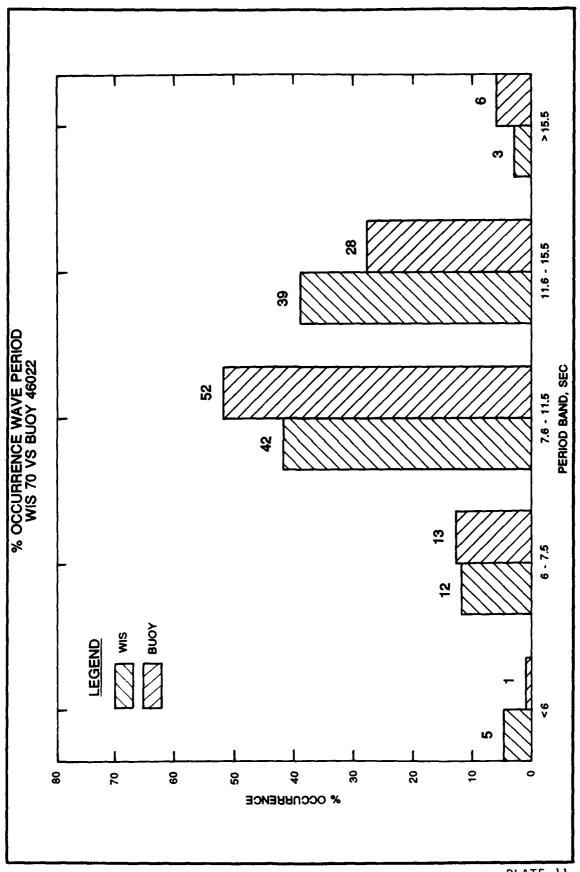
PLATE 6

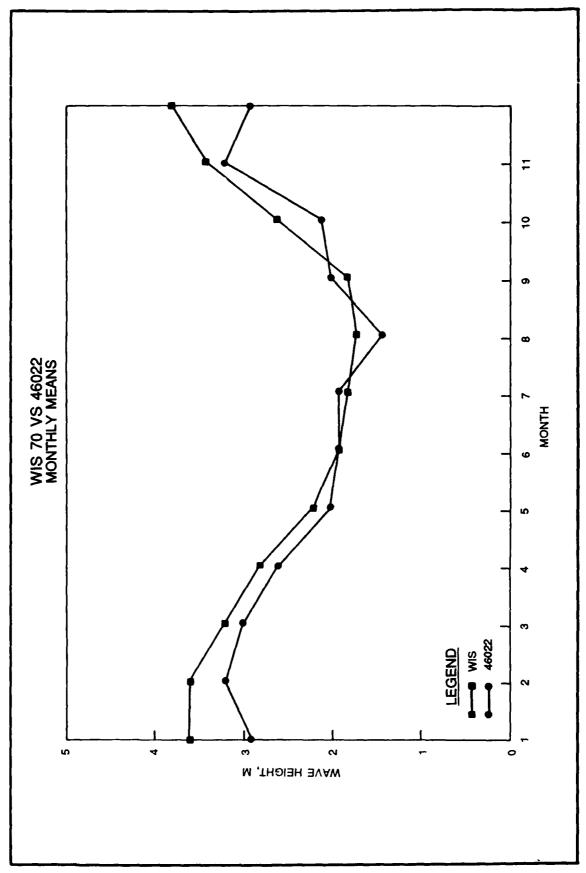


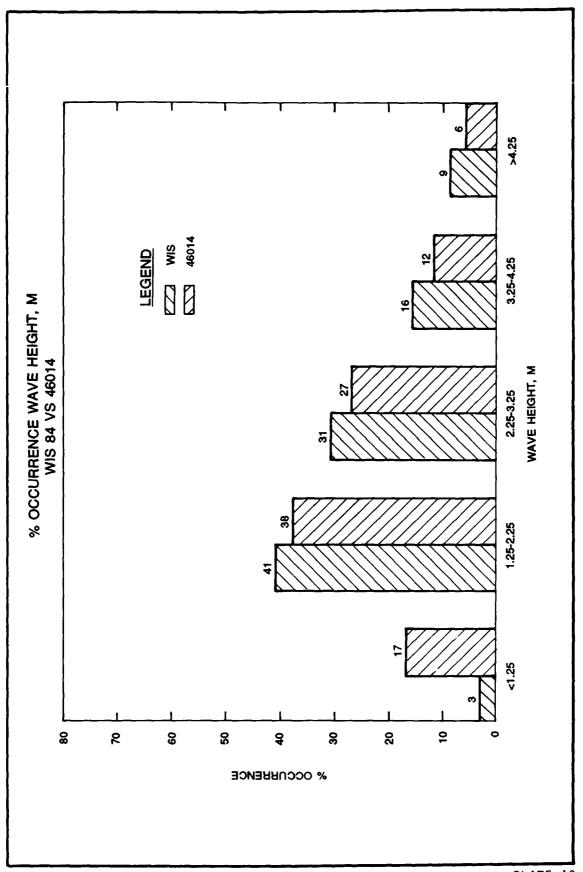


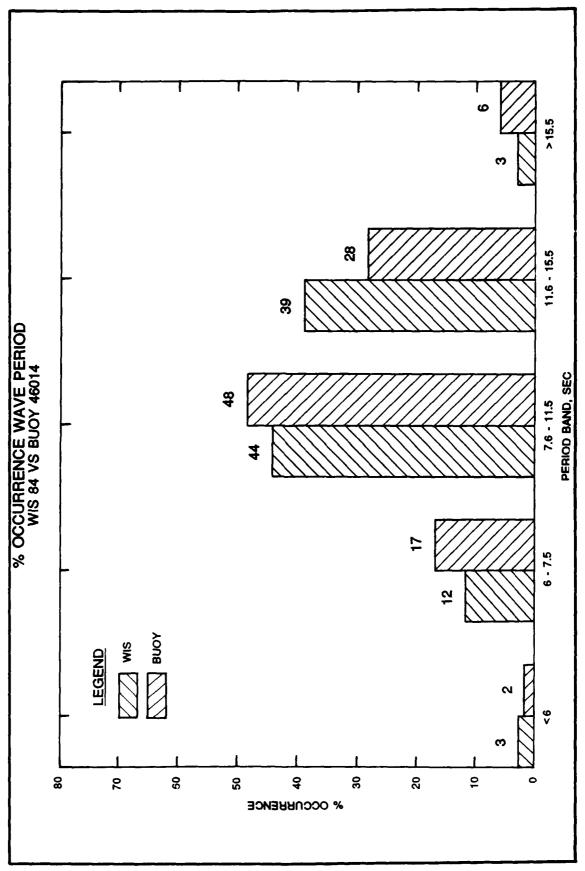


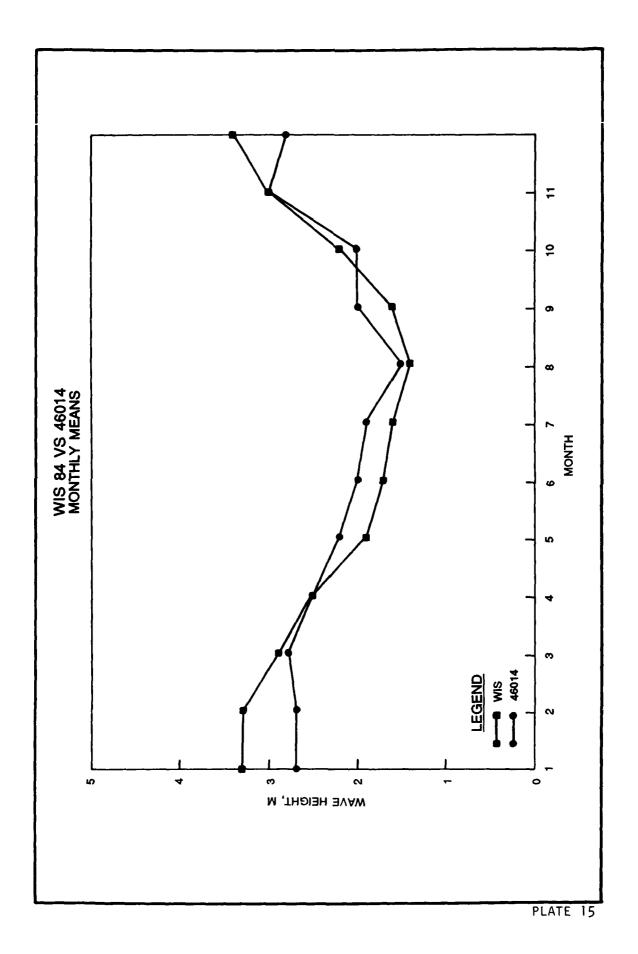


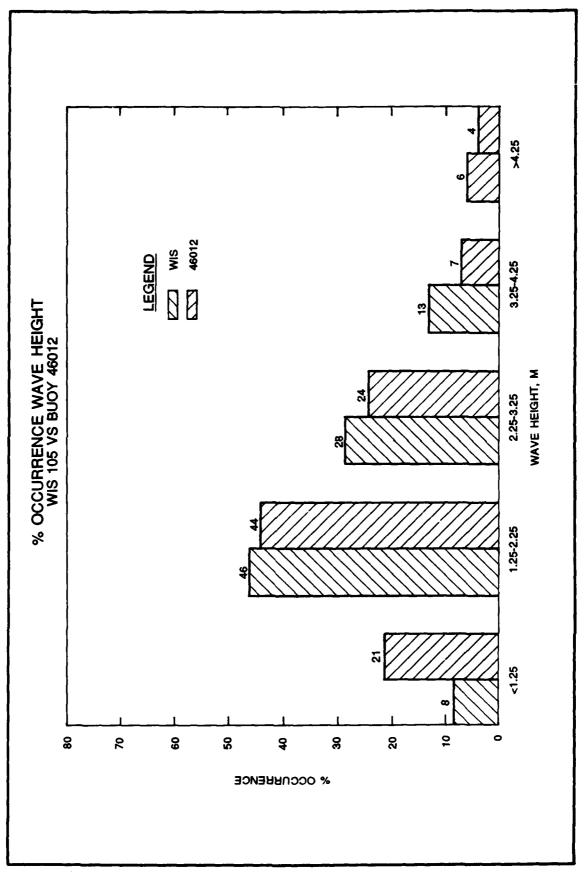


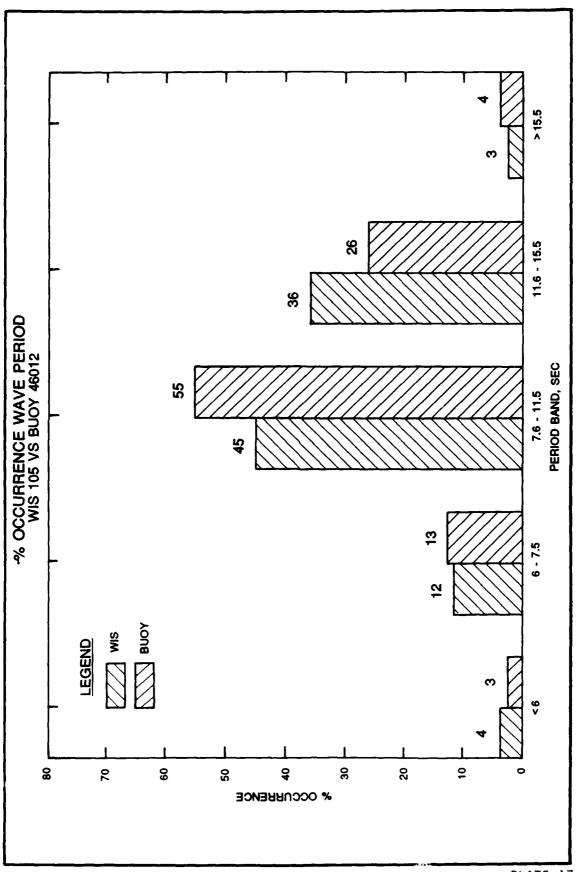


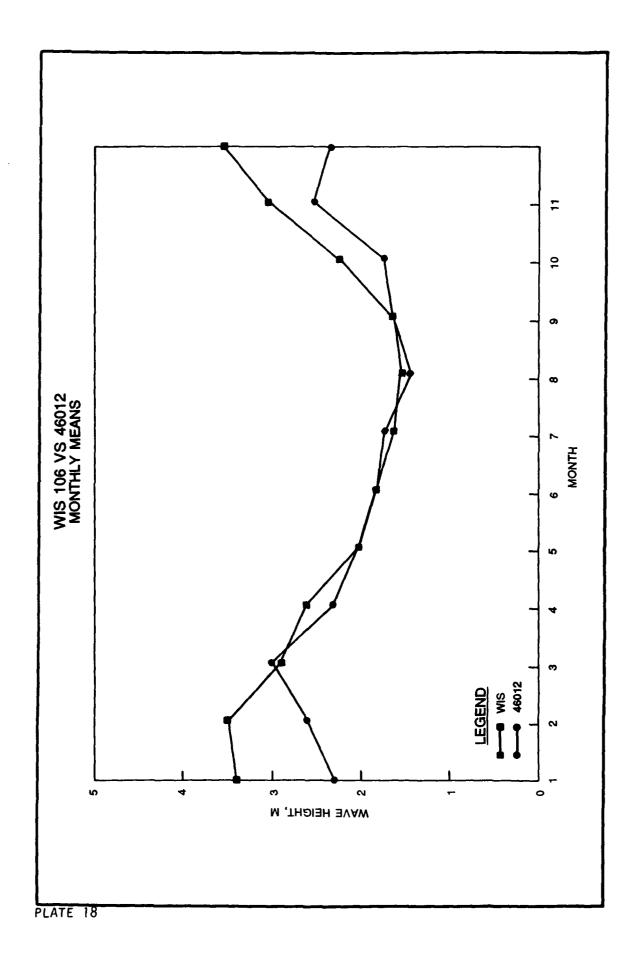


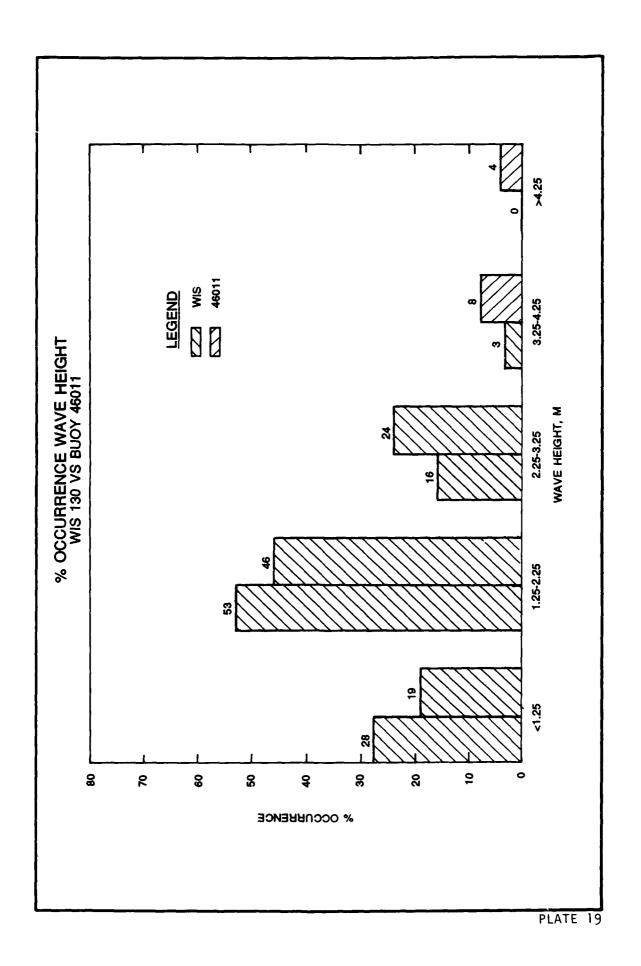


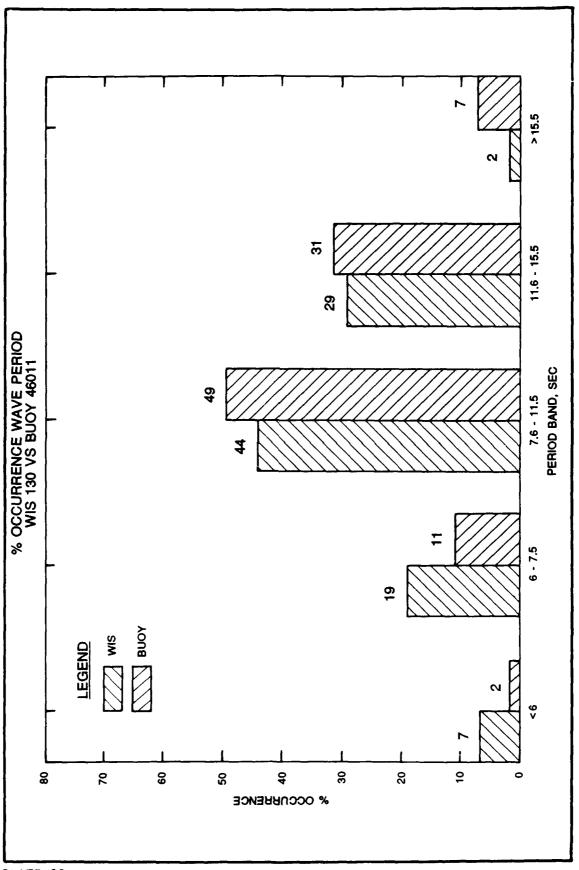


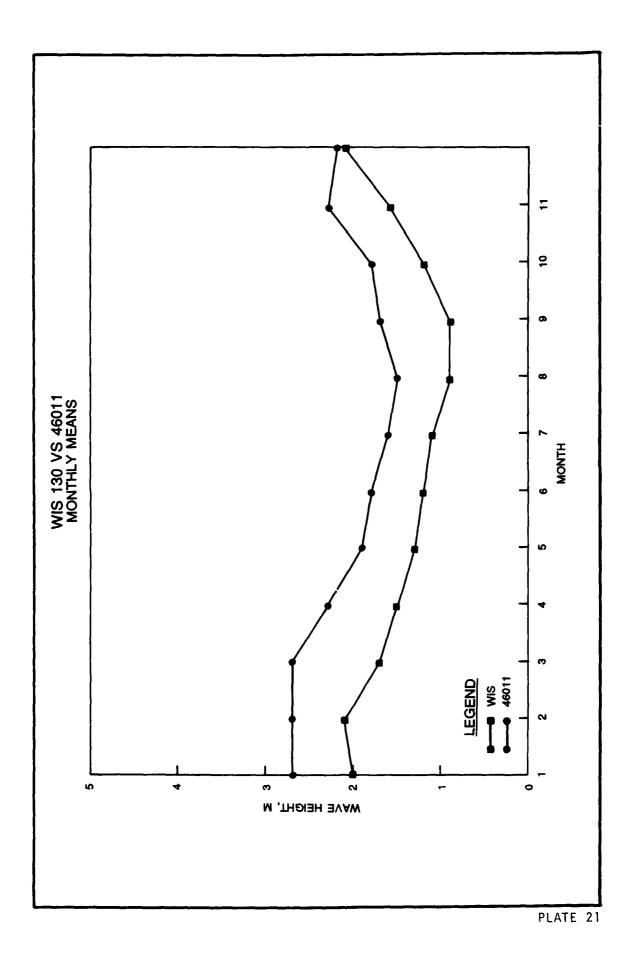












Appendix A: Sta 1 through 21

	126°	25° 124°
	53 💠	STRAIT OF JUAN DE FUCA
18°	52-+ PACIFIC	3
	OCEAN	5 CAPE JOHNSON
51+	50 - \$-	6 9 10 11 CAPE ELIZABETH 12 13 14 15 ABERDE
47°	48-\$	N 17 PS CAPEAT
	47-�	N 19 DCEAN PARIC 20
	LEGEND PHASE II PHASE III	46 N COL 47BIA 22 ASTO

HEIGHT (HETERS) 4.4.0 6.1.0 8.1.5 16.5 11.5 11.5 11.5 11.5 11.5 11.5	WAYE / LAT. SHORE! PERCE!	3 ST I APPROACH ANG LOW STARIS LINE ANGLE S NT OCCURRENCE	20 YEAR LE(RELATIVE 48.37N/124.7 160.0 (DEG E(X1000) OF	MAVE DIRECTION TO SHORELINE 15H LAT LO BAZ.) HATER HEIGHT AND PE	STATISTICA IN DEGREES! PN. END= 48. PDEPTH = 10 RIOD BY DIR	L SUMMARY 0 - 14.9 30N/124.70W 00 METERS ECTION	
0	HEIGHT(METERS)						TOTAL
PHASE 3 PST ALL 1							0000000000
HEIGHT (METERS) 4.4-6.1-8.1-9.6-10.5 10.5 11.7 13.3 15.4 18.2-2.2.3- 0.50-0.99 17 1.50-1.499 1.7-1.50-1.499 3.50-2.499 3.50-3.499 3.50-3.499 3.50-3.499 3.50-3.499 3.50-3.499 3.50-4.799 4.60-6.1-8.799 4.70-6.79	MEAN HS(M) = 0.	LARGEST H	IS(M) = 0.	MEAN TP(SEC	;) = 0. N	UMBER OF CASES	= 0
1		3 ST 1 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC					
MEAN HS(M) = 0.89 LARGEST HS(M) = 0.96 MEAN TP(SEC) = 5.2 NUMBER OF CASES = 1 PHASE 3PROACH ANGLE (RELATIVE TO SHORELINE IN DEGREES) = 45.0 - 74.9 LAT LONE START = 48.37N 124.75W LAT LONE END = 48.30N 124.70W SHORELINE IN DEGREES = 45.0 - 74.9 SHORELINE START = 48.37N 124.75W LAT LONE END = 48.30N 124.70W SHORELINE IN DEGREES = 45.0 - 74.9 PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION HEIGHT(METERS) 44 - 61 - 81 - 96 - 10.6 - 11.8 13.4 - 15.4 - 18.2 - 22.3 - 10.7 1.20 - 1.47 10.74 10.74 10.74 10.75 10.7 13.3 15.3 18.1 22.2 10.03 P. 1.20 - 1.47 10.74 10.74 10.74 10.74 10.75 10.7 10.7 10.7 10.7 10.7 10.7 10.7 10.7		4.4- 6.1- 6.0 8.0		10.6- 11.8-	13.4- 15.4- 15.3 18.1	18.2- 22.3- 22.2 LONGER	
MEAN HS(M) = 0.89 LARGEST HS(M) = 0.96 MEAN TP(SEC) = 5.2 NUMBER OF CASES = 1 PHASE 3PROACH ANGLE (RELATIVE TO SHORELINE IN DEGREES) = 45.0 - 74.9 LAT LONE START = 48.37N 124.75W LAT LONE END = 48.30N 124.70W SHORELINE IN DEGREES = 45.0 - 74.9 SHORELINE START = 48.37N 124.75W LAT LONE END = 48.30N 124.70W SHORELINE IN DEGREES = 45.0 - 74.9 PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION HEIGHT(METERS) 44 - 61 - 81 - 96 - 10.6 - 11.8 13.4 - 15.4 - 18.2 - 22.3 - 10.7 1.20 - 1.47 10.74 10.74 10.74 10.75 10.7 13.3 15.3 18.1 22.2 10.03 P. 1.20 - 1.47 10.74 10.74 10.74 10.74 10.75 10.7 10.7 10.7 10.7 10.7 10.7 10.7 10.7	79999999999999999999999999999999999999	17 :					0700000000000
PHASE 3 ST. 1	5.00 + TOTAL	17 Ó	Ó Ó	Ö Ö	å å	ò ò	Ò
#EIGHT(METEPS) 4.4-6.1-8.1-9.6-10.5-11.8-13.4-15.4-18.2-22.3- 6.0 6.1 0 6.5 10.5-11.8-13.4-15.4-18.2-22.3- 6.0 6.1 0 6.5 10.5-11.8-13.4-15.4-18.2-22.3- 6.0 6.1 0 6.5 10.5-11.7-13.3 15.3 18.1 22.2 EDNGER 7.1 0.0 - 1.47 10.7-2.49 1110 5 1.7-13.3 15.3 18.1 22.2 EDNGER 1.00 - 1.47 10.7-2.49 1110 5 1.7-2.49 18.3 1.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MEAN H5(M) = 0.89	LARGEST H	IS(M) = 0.98	MEAN TP(SEC	:) = 5.2 N	UMBER OF CASES	= 10
#EIGHT(METEPS) 4.4-6.1-8.1-9.6-10.5-11.8-13.4-15.4-18.2-22.3- 6.0 6.1 0 6.5 10.5-11.8-13.4-15.4-18.2-22.3- 6.0 6.1 0 6.5 10.5-11.8-13.4-15.4-18.2-22.3- 6.0 6.1 0 6.5 10.5-11.7-13.3 15.3 18.1 22.2 EDNGER 7.1 0.0 - 1.47 10.7-2.49 1110 5 1.7-13.3 15.3 18.1 22.2 EDNGER 1.00 - 1.47 10.7-2.49 1110 5 1.7-2.49 18.3 1.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
1.00 - 1.47	PHASE WAVE I LATE SHORE I SHORE I PERCEI	3 ST. 1 APPROACH ANG LON. START= LINE ANGLE =	20 YEAR A LE(RELATIVE 48.37N/124.7 160.0 (DEG E(X1000) OF	IAVE DIRECTION TO SHORELINE '5W LAT LC '5W LAT LC HEIGHT AND PE	STATISTICA IN DEGREES) DIL END= 48 OEPTH = 10 RIOD BY DIR	L SUMMARY = 45.0 - 74.9 30N/124.70N 00 METERS ECTION	
### PERCENT OCCUPRENCE(X1000) OF HEIGHT (METERS) #### PERCENT OCCUPRENCE(X1000) OF HEIGHT AND PERCENT) ##### PERCENT OCCUPRENCE(X1000) OF HEIGHT AND PERCENT) ###################################	UETOUT/METERIO)						TOTAL
HEIGHT(METERS) 94. 6.1- 8.1- 9.6- 10.6- 11.8- 13.4- 15.4- 18.2- 22.3- TOTA	HEIGHT (METERS) 101-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	4.4-0 6.1-0 5592 21421 10592 10095 10592 10095	8 9 1 5 9 0 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD(SECON 10.6-11.8- 11.7 13.3	(DS) 13.4~ 15.4~ 15.3 18.1		
HEIGHT(METERS) 9EPIOD(SECONDS) 4.4. 6.1- 8.1- 9.6- 10.6- 11.8- 13.4- 15.4- 18.2- 22.3- 10.5- 10.5- 13.8- 13.4- 15.4- 18.2- 22.3- 10.5- 10.5- 13.3- 15.3- 18.1- 22.2- 10.00GER 0.50-0.69 53 1310 1451 515 86 13 8 17 13.4-	HEIGHT (METERS) 10111299999999999999999999999999999999	4.4- 6.1- 6.9 2149 1074 2429 1075 22149 1076 1009 42 1090 42 1090 42 1090 42 1090 42 1090 42 1090 42 2377 6327	8 1- 9 6-5 15 10 5 1129 183 1769 614 1769 603 1769 20 3	PERIOD (SECON 10.6-11.8- 11.7 13.3 11.7 13.3 1.1 1 2.558 1.317 2.558 1.317 1.37 1.559 1.37 1.559 1.37 1.59 1.37 1.59 1.37 1.59	105) 15.3 18.1 15.3 18.1 15.3 18.1 15.3 18.1	18.2- 22.3- 22.2 LÖNGER : : : : : : : : : : : . : . : . : . :	10 TA 23-64-5-10-7-6-10
HEIGHT (METERS) 4.4. 6.1- 8.1- 9.6- 10.6- 11.8- 13.4- 15.4- 18.2- 22.3- 10.5 10.5 11.7 13.3 15.3 18.1 22.2 2.3- 20.0 19.5 13.0 1451 515 88 13 8 13 16.1 22.2 2.3- 20.0 19.5 13.0 1451 515 88 13 8 13 10 1451 515 88 13 8 13 10 1451 515 88 13 8 13 10 1451 515 88 13 8 13 8 11 1460 12.50	HEIGHT (METEPS) 1. 0.999 1. 0	4.4- 6.1- 5.52 21421 1074 22421 6.50 10095 4.2 1009 4.2 1000 4.2 1	8 1- 9 6-5 1-5 10-5 1-5 10-5 1	PERIOD (SECONDE 10.6-1133) 11.7133 11.7133 12.738 13.7139 13.7139 14.0137 13.748 MEAN TP(SECONDE LINE CONDE LINE COND SHOULD LINE COND SHOULD LINE COND SHOULD LINE COND SHOULD LATTER COND SHOULD	15.4- 15.4- 15.3-18.1 16.3-18.1 17.3-18.1 18.3-18.	18.2- 22.3- 22.2 LONGER	10TAL 93 3616 771245 41051 10715 410 220 82 = 11636

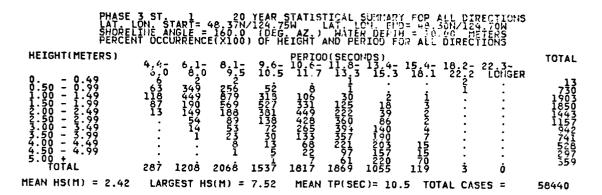
PHASE 3 ST. 1 20 YEAR WAVE DIRECTION STATISTICAL SUMMARY WAVE APPROACH ANGLE(RELATIVE TO SHORELINE IN DEGREES) = 105.0 - 134.9 LAT. LON. START = 48.30N/124.75W LAT. LONE END = 48.30N/124.70W SHORELINE ANGLE = 1670.0 (DEG. AZ.) WATER DEPTH = 10.00 METERS PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION PERIOD(SECONDS) 10.6-11.8-13.4-15.4-18.2-22.3-11.7 13.3 15.3 16.1 22.2 LONGER HEIGHT(METERS) TOTAL 29 1858 275 1544 8 70 2378 278 210 140 416 984 MEAN TP(SEC) = 9.4 MEAN HS(M) = 2.70LARGEST HS(M) = 6.27NUMBER OF CASES = 2325 PHASE 3 ST. 1 20 YEAR WAVE DIRECTION STATISTICAL SUMMARY WAVE APPROACH ANGLE RELATIVE TO SHORELINE IN DEGREES)= 135.0 - 164.9 LAT. LON. START= 48.37N/124.75W LAT. LON. START= 48.30N/124.75W LAT. LON. START= 48.30N/124.75W LAT. LON. START= 164.9 LAT. LON. START= PERIOD(SECONDS) 10.6-11.8-13.4-15.4-18.2-22.3-11.7 13.3 15.3 18.1 22.2 LONGER TOTAL HEIGHT(METERS) 13000000000 11 13 Ó Ò MEAN HS(M) = 0.54 LARGEST HS(M) = 0.96 MEAN TP(SEC) = 5.9 NUMBER OF CASES = PHASE 3 ST. 1 20 YEAR WAVE DIRECTION STATISTICAL SUMMARY WAVE APPROACH ANGLE(RELATIVE TO SHORELINE IN DEGREES)= 165.0 - 190.0 LAT. LON. START= 48.37N/124.75W LAT. LON. END= 48.30N/124.70W SHORELINE ANGLE = 160.0 (DEG. AZ.) WATER DEPTH = 10.00 METERS PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION HEIGHT(METERS) PERIOD(SECONDS) 10.6-11.8-13.4-15.4-18.2-22.3-11.7 13.3 15.3 18.1 22.2 LONGER TOTAL 0011225544 ò ò Ò Ò ò ò ò ò ò Ô

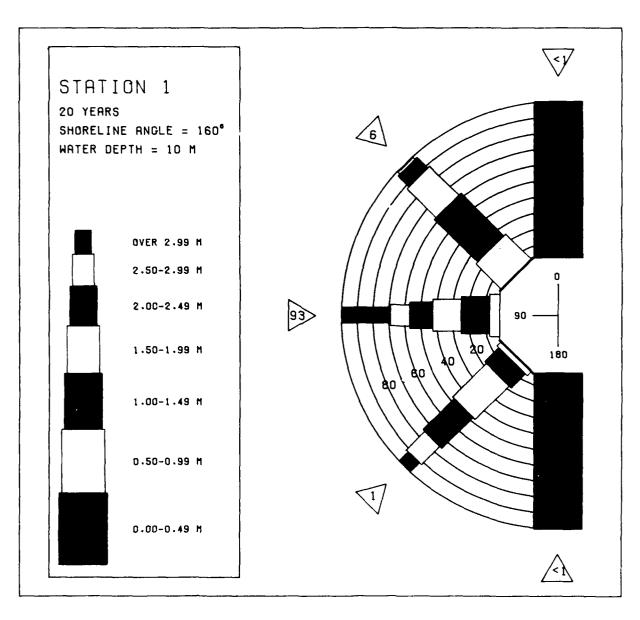
MEAN TP(SEC) = 0.

NUMBER OF CASES =

LARGEST HS(M) = 0.

 $MEAN\ HS(M) = 0.$





HIS STATION 1 (48.37N/ 124.75W TO 48.30N/ 124.70W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC	
R67890123456789012345 R5555566666667877777 E959999999999999999999	novamination designations and more designations and more designations and the second designations are designated as the second designation of the se	9860080071894070157000	Substanting Control of	200904211791110097042179	88698654789556897-106	and 4 6 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	מסחתוחם לשורות המשמע מעדות	57-885-57-98-49-45-97-75-950 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	พละเกลาสาราชาวาราชา	การเราะบายการเราะ	การออกราช อาเภอนาการกราช คณา การจากการการการการการการการการการการการการกา	Znolog gamannanananananan Enananananananananan E
MEAN	3.6	3.4	2.9	2.3	1.7	1.6	1.3	1.2	1.7	2.6	3.2	3.7	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 1 (48.37N/ 124.75W TO 48.30N/ 124.70W)

HTHOM

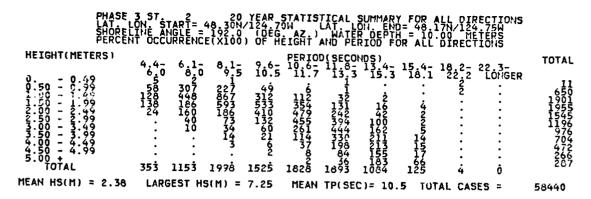
1956 6.7 6.3 5.3 6.6 2.9 2.2 2.4 2.0 2.9 4.6 5.1	
0657-15555111 0657-15555111 1474-124-09 7655-69-09-18-18-18-18-18-18-18-18-18-18-18-18-18-	7474787770154667667666

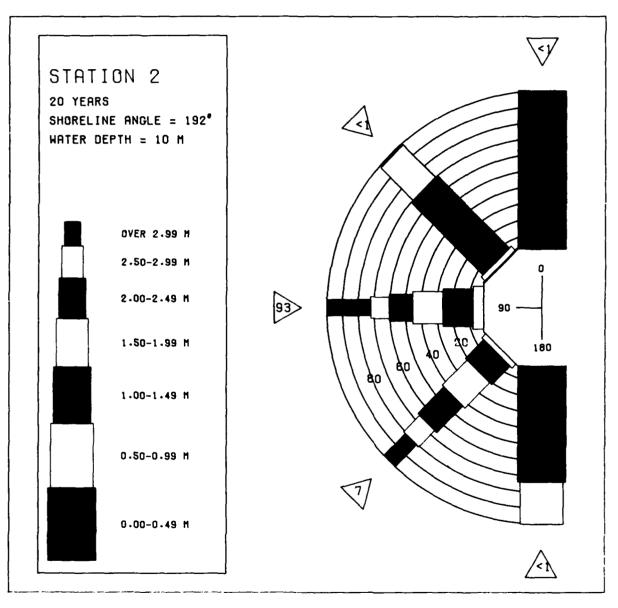
20 YR. STATISTICS FOR PACIFIC STATION 1 (48.37N/ 124.75W TO 48.30N/ 124.70W)

MEAN SIGNIFICANT MAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECONDS) MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	2.4 10.5 90.0
STANDARD DEVIATION OF HAVE HS (METERS) STANDARD DEVIATION OF HAVE TP (SECONS) LARGEST WAVE HS (METERS)	1.2 2.4 7.5
LARGEST WAVE HS LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST HAVE HS AVERAGE TO ASSOCIATED WITH LARGEST WAVE HS LOEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	16.7 86.7 72122600

PHASE WAVE LAT SHORE PERCE	3 ST APPROACH A LON. START LINE ANGLE NT OCCURRE	NGLE(REL = 48.30N = 192.0 NCE(X100	YEAR WA ATIVE 1 /124.70 (DEG 0) OF F	AVE DIR TO SHOP DW L AZ)	ECTION ELINE AT. LOI WATER AND PE	STATI IN DEG N. END DEPTH PIOD B	STICAL REES)= 48.1 10.1 Y DIRE	SUMMA 7N/124 00 ME CTION	RY - 14.9 TERS	
HEIGHT(METERS)									22.3- LONGER	TOTAL
99999999999999999999999999999999999999	464-0 68	1.0 8915	9.6-	111.7 :	13.3	15.3	18.1	22.2	LONGER	0000000000
TOTAL	Ö	o ò	ò	Ö	Ó	Ö	Ò	Ò		•
MEAN HS(M) = 0.	LARGEST	' HS(M) =	0.	MEAN	TP(SEC) = 0	. NU	MBER O	F CASES :	= 0
	3 ST APPROACH A LON. START LINE ANGLE NT OCCURRE	NGLE(REL = 48.30N = 192.0 NCE(X100								
HEIGHT(METERS)	4.4- 6. 6.0 8	1- 8.1- .0 9.5	9.6- 10.5	10.6- 11.7	13.3	15.4- : 15.3	15.4- 18.1	18.2- 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	; ; ; ;		: : : :		•	•	:	:	:	0000000000
5.00 + TOTAL	Ö		ö	Ö	Ö	Ö	Ö	ö	Ö	ŏ
MEAN HS(M) = 0.	LARGEST	' HS(M) =	0.	MEAN	TP(SEC) = 0	. NU	MBER O	F CASES	= 0
	3 ST APPRCÁCH A LON. START LINE ANGLE NT OCCURRE	NGLE(REL = 48.30N = 192.0 NCE(X100	YEAR HATIVE TO (DEG. 0) OF H	AVE DIR TO SHOR IN L NAZ) HEIGHT	ECTION ELINE AT. LOP MATER AND PER	STATI IN DEGI N. END DEPTH RIOD B	STICAL REES)= = 48.1 = 10. Y DIRE	SUMMA 45.0 7N/124 00 ME CTION	RY 74.9 TERS	
										TOTAL
PHASE WAYE LAT SHORE PERCE	4.4-0 6 8 3.09 3.09 3.04 2.7	20 EX 00 0 1 5 1 5 1 1 5 2 5 1 1 · · · 6		AVE SHOR FO SHOR SHAZ JEIGHT PERIOD 11:7					RY 74.9 75W TERS 22.3- LONGER	TOTAL 331199511000
PHASE WAY E LATER TO THE PHASE WAY E LATER TO	4.4- 6 8 329 3647 2 27	8.1-5 9.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	9.6-5 10.5	PERIOD 10.6- 11.7 	(SECONI 11.85 13.3	15.3	15.4- 18.1 : : :	18.2- 22.2 : : : :		31199511000 3189511000
PHASE WAYE SHORE WAYE SHORE SH	4.4- 6 8 329 3647 2 27	1-0 9 1-5 1-0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.6-5 10.5 	PERIOD 11.7 0 MEAN AVE SHORE 10 10 10 10 10 10 10 10 10 10 10 10 10	SECONTILLONG	05) 115.3 115.3 0 = 5 17. DEGDTH 17. DEGDTH 17. DEGDTH 17. DEGDTH 17. DEGDTH 17. DEGDTH	15.4-1 18.1 	18.2-2 22.2 	22.3- LONGER 	0 331 389 55 11000 471
PHASE WAYE SHORE WAYE SHORE SH	4.4-0 6 8 3 2 2 3 3 6 4 7 3 2 6 1 ARGEST APPROACHAT LINE ANGLE NT OCCURRENT OCCURENT OCCURRENT OCCURRENT OCCURRENT OCCURRENT OCCURRENT OCCURRENT O	1-0 9 1-5 1-0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.6-5 10.5 	PERIOD 11.7 0 MEAN AVE SHORE 10 10 10 10 10 10 10 10 10 10 10 10 10	SECONTILLONG	05) 115.3 115.3 0 = 5 17. DEGDTH 17. DEGDTH 17. DEGDTH 17. DEGDTH 17. DEGDTH 17. DEGDTH	15.4-1 18.1 	18.2-2 22.2 	22.3- LONGER 	0 311 389 599 11 00 00 = 471
PHASE WAYE SHORE WAYE SHORE SH	46.2947 30647	1 - 0	910.5 0 3.98 YEARYE 7 10.65	PERIOD 1 1 - 7 - 6	SEC 8-3 - 0 SE C N OF C S OF	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1518	182 2	22 3- LONGER	3318995111000 1 31855 11000 7 4 A 8151713789420 255713789420 555713789420 1111 1111

PHASE A HAYE AL LAT LE SHORE LE PEPCEN	ST. 2 PPROÁCH ÁNGI ON. START = 4 INE ANGLE = T OCCURRENCE	20 YEAR E(RELATIVE 8.30N/124.7 192.0 (DEC						
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8,1, 9,6, 9.5 10.5	PERIOD 10.6-	(SECOND	S) 3.4- 15.4 15.3 18.	- 18.2- a	22.3- LONGER	TOTAL
0.499 0.4999 1.49999 1.49999 1.49999 1.4999 1.4999 1.4999 1.4999 1.4999 1.4999 1.4999 1.4999 1.4999 1.4999 1.4999 1.4999 1.499	4.4- 6.0 6.0 27 730 159 504 159 177 23	376 1481 1197 768 352 176 195 176 800 85 30 11 11 4320 2623		.65	117 157 1594 11960 11905 11905	•		199273780006 199475780006 19326916057
MEAN HS(M) = 2.32		6(M) = 6.32			= 10.0		CASES =	10469
PHASE WAYE AL LAT L SHOREL PERCEN	3 ST PPROÀCH ANGI DN. START= 2 INE ANGLE = T OUCURRENCE	20 YEAR E(RELATIVE 8.30N/124.7 192.0 (050 (X1000) OF				CAL SUMMAF 3)= 135.0 3.17N/124 10.00 HE 1RECTION	RY - 164.9 .75W TERS	
HEIGHT(METERS)	4,4- 6,1-	8.1- 9.6- 9.5 10.5	PERIOD 10,6-	(SECOND 11.8- 1 13.3	S) 3.4- 15.4 15.3 18.	18.2- 2 1 22.2	22.3- LÖNGER	TOTAL
- 0.49 - 0.49 - 0.49 - 0.49 - 1.49 - 1.49	4.4.0 6.0 1.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	1 :		: : : :				184942110000
MEAN HS(M) = 1.36	LARGEST HS	S(M) = 3.11	MEAN	TP(SEC)	= 6.5	NUMBER OF	CASES =	208
PHASE WAYE AL SHOREL PERCEN	3 ST 2 PPROACH ANGI ON STARTE 2 INE ANGLE = T OCCURRENCE	20 YEAR E(RELATIVE 1920 (DEC (X1000) OF					RY - 180.0 75W TERS	
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8.1- 9.6- 9.5 10.5	PERIOD	(SECOND	§) 3.4- 15.4 15.3 18.	18.2- 3	22.3- LONGER	TOTAL
- 499 - 499 - 299 - 299		:			ò		: : : : : :	00000000000
MEAN HS(M) = 0.	LARGEST HS	S(M) = 0.	MEAN	TP(SEC)	≈ 0.	NUMBER O	- CASES =	0





WIS STATION 2 (48.30N/ 124.70W TO 48.17N/ 124.75W)

MONTH

	HAL	FEB	MAR	APR	MAY	MUL	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R55556666666677777 E999999999999999999	noutrinountry mouning trining	odoogodom-it-gr-doug-iumo	8-4-02m209999499740mm	งเลงงานการการการการการการการการการการการการการก	99797564899556797107	85546477604458576987	42042242562244605054	7-4-1-1-10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	57886679850158775960	งคนงงกระบบคนงกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการก	อนเงอเกตากจะสะจะจะสะสายการการการการการการการการการการการการการก	04864145054499522002	พางเกาหลงสนากทางกมเกลสลง ยางกางกางกางกางกางกางกางกางกางกางกางกางกา
MEAN	3.4	3.3	2.9	2.3	1.7	1.6	1.3	1.3	1.7	2.5	3.1	3.5	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 2 (48.30N/ 124.70W TO 48.17N/ 124.75W)

MONTH

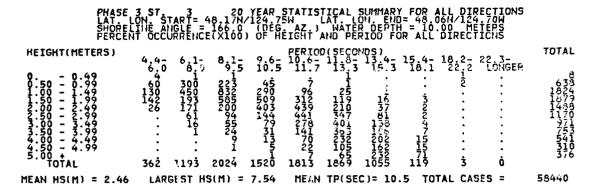
	HAL	FEB	MAR	APR	MAY	אטע	JUL	AUG	SEP	OCT	NOA	DEC
Y1111111111111111111111111111111111111	986263064146061475	45656545566556665656	######################################	27090M7589567616M4	าสองเกางสองเกอางสาดสองสา	9547-15026475408890	2160000000140040040000000000000000000000	のうれないないないことのなのようのない。 なーないないないというないしていないのかない。	ทางเกงเปรงเกงเราทางการกา	งจอจ-เจเลตองไกร-เกาจอกเลต รากระบายการกระบายการกระบายการกระบายการกระบายการกระบายการกระบายการกระบายการกระบายการกระบายการกระบายการกระบายการ	87-159078179327445747 455-6567815456666566	454226670734403024 556664566566576676

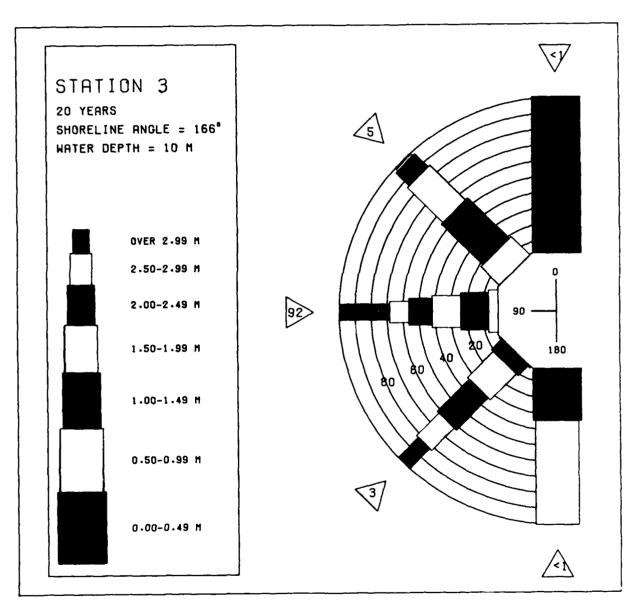
20 YR. STATISTICS FOR PACIFIC STATION 2 (48.30N/ 124.70W TO 48.17N/ 124.75W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2.4
MEAN PEAK HAVE PERIOD OF CONTROL AVACATION AND (SECONDS)	10.5
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	'i.ž
STANDARD DEVIATION OF WAVE TP (SECONDS)	2.4 7.3
LARGEST WAVE HS WAVE IP ASSOCIATED WITH LARGEST WAVE HS (METERS)	16.7
TARGEST WAVE THE STORY OF THE LARGEST WAVE HS (METERS) WAVE THE ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	62111915

PHASE MAYE A LATE SHORE PERCEN	3 ST APPROACH AN ON. START= INE ANGLE IT OCCURREN	20 YEAR GLE(RELATIV 48.17N/124 = 166.0 (E CE(X1000)	HAVE DI E TO SHO 75W EG AZ) F HEIGHT	RECTION RELINE I LAT. LON WATER AND PER	STATIST N DEGRE L END= DEPTH = 100 BY	ICAL SUMMES) = 0.48.06N/12	ARY 4.70W ETERS	
HEIGHT(METERS)	4,4- 6,1			1 13.3		.4- 18.2- .8.1 22.2		TOTAL
- 0.499 - 0.499 - 1.2233.499 - 1.2233.499		0 9.5 10 : : : : :		13.3 : : : : :	15.3 I		i LUNGER	0000000000
MEAN HS(M) = 0.	LARGEST	HS(M) = 0.	MEAN	TP(SEC)	≈ 0.	NUMBER	OF CASES =	. 0
HEIGHT(METERS)		GLE(RELATIV 48,17N/124 = 166,0 CE(X1000)				ICAL SUMP ES)= 15. 48.06N/12: 10.00 P DIRECTION		TOTAL
	4,4- 6,1 6.0 8.	0 8915 9	6- 10.6- .5 11.7	11.8-1 13.3	3.4- 15 15.3 1	8.1 22.2	22.3- LÖNGER	n
99999999999999999999999999999999999999	222 222 1383 			Ö				2013 2013 2013
MEAN HS(M) = 1.41		HS(M) = 2.1	-	TP(SEC)	-	•	OF CASES =	226
PHASE W 1E 1 SHORE PERCE	3 ST 3 PPROACH AN ON. START= INE ANGLE IT OCCURREN	GLE(20 YEAR GLE(RELATIV 48.17N/124 = 166.27N/124 ce(x1000)	WAVE DIE TO SHO 175W EG AZ.) F HEIGHT	RECTION RELINE I LAT. LON WATER AND PER	STATIST N DEGRE DEPTH = IOD BY	TCAL SUMM ES)= 45 48.06N/12 10.00	IARY 0 - 74.9 4.70W ETERS	
HEIGHT (METERS) - 0	4.4- 6.1 6.7 6.1 507 1093 939 1891 145 722 1289	0 9 5 10 224 271 2898 83	PER IOI - 7 - 10 - 6 - 5 - 11 - 7 - 29 - 7 - 22 - 17 - 22 - 17 - 22 - 17 - 22 - 17 - 22 - 17 - 22 - 17 - 22 - 17 - 22 - 17 - 22 - 17 - 22 - 22	SECOND 1 13.1 1.3 24355 10.25 384	\$) 3.4- 15 15.3 1	6.4- 18.2- 8.1 22.2 	22.3- LÖNGER 	101AL 1999411110111101110111011110111101111101111101111
		HS(M) = 5.5 GLE(RELATIV GLE(RELATIV 48.17N/124 48.000) C CE(X1000) C	WAVE DIE E TO SHOP 275W EG AZ.	TP(SEC) RECTION RELINE I LAT. LON WATER AND FER	STATIST N DEGRE DEND= DEPTH =	ICAL SUMM ES)= 75 48.06N/12 10.00	OF CASES =	· 7097
HEIGHT(METERS) 0 - 0.499 1.500 - 1.499 1.500 - 2.949 1.500 - 2.949 2.500 - 3.999 4.500 - 4.99 5.01 -	4.4- 6.1 71 1880 106 24747 53 6258 	- 8 1 - 9 0 - 9 15 454 - 110 2010 -	PER IOI-7 101-7	SECOND 1113 a 789 2589 21879 1203544332 21879 1203544332 21879 1767 1767 1767 1767 1767 1767 1767 17	51.5.3 1.6.3 1.6.7 1.6.7 1.6.7 1.6.7 1.6.7 1.6.7 1.6.7 1.6.7 1.6.7 1.6.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1	8.1 22.6 8.1 22.6 8.1 22.6 8.1 22.6 8.2 11.2 8.3 22.6 8.3	22.3- LÖNGER 	TOTAL 479377511 437927511 141502354 6782439 286782439 47813

PHASE WAVE A LAT. SHOREL PERCEN	3 ST PPROACH ON. STAI INE ANG! T OCCUP!	3 ANGLE(RI RT= 48.1 LE = 166 RENCE(XI	YEAR W LATIVE 7N/124.7 0 (DEG 000) OF	AVE DIR TO SHOP SHOP L AZ HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIST N DEGRE DEFIH: 100 BY	ICAL SU ES)= 10 48.06N/ = 10.00 DIRECTI	IMMARY 15.0 - 134. 124.70H METERS ION	9
HEIGHT(METERS)			l- 9.6- 5 10.5	PERIOD 10.6- 11.7	(SECOND 11.8- 1 13.3	5) 3.4- 19 15.3	5.4- 18 18.1 2	2- 22 3- 2.2 LONGER	TOTAL
	18 104 159	27 195 295 305 345 219 219 211 305 219 219 211 311	1000 1799 1777 1771 298 183	71668323216832168218			•		07393799291 2168435737 1085337
		L35 1358	802				3 1 4	 ò ò	
MEAN HS(M) = 2.85	LARGE:	ST HS(M)	= 6.52	MEAN	TP(SEC)	= 9.6	S NUMBE	ER OF CASES	= 3241
	3 ST PPROACH ON STAI INE AIG T OCCUR!	ANGLE (RI	YEAR W LATIVE 7N/124 7 0 (DEG				ICAL SU ES)= 1 48.06N/ = 10.00 DIRECT	JMMARY 35.0 - 164. 124.70W METERS ION	9
HEIGHT(METERS)	4.4- 6.0	8.1- 8.1 8.0 9	l- 9.6- .5 10.5	PERIOD 10.6- 11.7	(SECOND 113.3	S) 3.4- 1! 15.3	.4- 18 (8.1 2	2- 22.3- 2.2 LONGER	TOTAL
	18 17 23	11 8 22 1		:	•	:	•		118181 232 100000
3.49 3.50 - 3.49 4.50 - 4.99	:			:	:	:	:		000
TOTAL	55	45 (O	Ò	Ò	ò	ò	Ö Ö	•
MEAN HS(M) = 1.64	LARGE	5T HS(M)	= 2.71	MEAN	TP(SEC)	= 5.8	3 NUMBE	R OF CASES	= 62
PHASE WAYE LATE SHOREL PERCEN	3 ST PPROACH ON. STAI INE ANG T OCCURI	3 ANGLE(R) RT 48.1 LE = 166 RENCE(X10	YEAR WELATIVE 7N/124.7 0 (DEG				TICAL SU EES)= 16 48.06N/ = 10.00 DIRECTI	JMMARY 5.0 - 180. 124.70W METERS	0
HEIGHT(METERS)	4.4-	8.1- 8.3 8.0 9	L- 9.6- .5 10.5	PERIOD 10.6-	(SECOND 11.8-1 13.3	S) 3.4- 1 15.3	.4- 18 .8.1 2	2- 22 3- 2.2 LONGER	TOTAL
99999999999999999999999999999999999999	•	•		•			•		00000000000
1 - 4 - 4 - 9 - 4 - 5 - 5 - 5 - 4 - 5 - 5 - 5 - 5 - 5	:			:	:		:		0000
10 LVT	ò			ò	ò	Ö	ò	Ö Ö	_
MEAN HS(M) = 0.	LARGES	ST HS(M)	= 0.	MEAN	TP(SEC)	= 0.	NUMB	R OF CASES	= 0





WIS STATION 3 (48.17N/ 124.75W TO 48.06N/ 124.70W)

HTHOM

							••						
	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC	
Y1411111111111111111111111111111111111	mayrandandanananadan	งงากระหารายงายงายงายงายงายงายงายงายงายงายงายงายงา	ดาแนะเมาะเมาะเมาะเมาะเมาะเมาะเมาะเมาะเมาะเมา	からいっというというというというというというというというというというというというというと	9979866568996557897-107	860556477795758576987	42154224-215724-44-005051	MAGRIMAGO OF THE	57-885-67-9850-697-750-60	งกระหวัดการกระหวัดการกระหวัด เกาะการกระหวัดการกระหวัดการกระหวัดการกระหวัดการกระหวัดการกระหวัดการกระหวัดการกระห	คุณการ 6000000000000000000000000000000000000	460862782เมื่ออก-เกาสรณ์ กักสากการการการกระ	24ก6445กมี644กมี66มีการ
MEAN	3.6	3.5	3.0	2.3	1.8	1.6	1.3	1.3	1.7	2.6	3.2	3.7	
			Ĺ	ARGES	T HS(METER	5) BY	MONT	ONA H	YEAR			
		ute e	TATTO	M T	140	170/	194	7EU T	n 49	044/	124 7	an)	

WIS STATION 3 (48.17N/ 124.75W TO 48.06N/ 124.70W)

HTHOM

	JAH	FEB	MAR	APR	MAY	MUL	JUL	AUG	SEP	OCT	NOA	DEC
R67890-1234567890-12345 R555566666666777777 E9999999999999999999	04607005006504666655	45050000000000000000000000000000000000	กเหมากางการสารสารกรองกรอง	446444774N477715444HN	nnouncouncementations of the control	9-9-48-14-0-21-7-0-20-7-2-1-7-9-80-7-2-1-7-9-80-7-2-1-7-9-80-7-2-1-7-9-80-7-2-1-7-9-80-7-2-1-7-9-80-7-2-1-7-9	2161099991020497007009	0001-1107-101001-004-10101-10140-1	กากกางงุษทางงุษทางกากกางงุษ การการงุษทางงุษทางการกางงุษ	44410011100111400114440114	0-12-6-17-15-1-1-0-13-60-13-15-0 15-12-6-17-15-15-15-0-15-0-15-0-15-0-15-0-15-0-	7474469526464566555555555555555555555555555

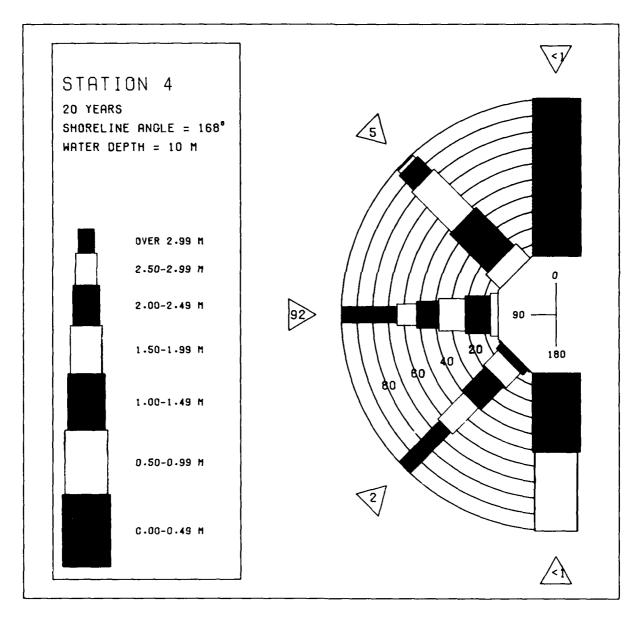
20 YR. STATISTICS FOR PACIFIC STATION 3 (48.17N/ 124.75W TO 48.06N/ 124.70W)

MEAN SIGNIFICANT WAVE HEIGHT	
MAVE TP ASSOCIATED WITH LARGEST HAVE HS AVERAGE DIRECTION ASSOCIATED HIT LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	7212

PHASE WAVE LAT SHORE PERCE	3 ST APPROACH ANG LON: START= LINE ANGLE = IT OCCURRENC	20 YEAR LE(RELATIVE 48.06N/124.7 168.0 (DEG E(X1000) OF	NAVE DIRECTION TO SHORELINE LAT. LAT. LAT. LAT. LAT. LAT. LAT. LAT.			7Y - 14.9 1688	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6- 9.5 10.5	PERIOD(SECO 10.6-11.8- 11.7 13.3	NDS) 13.4- 15.4	18.2-	22.3- LÖNGER	TOTAL
99999999999999999999999999999999999999	6.0 8.0 	9.5 10.5 : : : : : : : : : . :	0 0 0	i 15.3 18.		LONGER	00000000000
MEAN HS(M) = 0.	LARGEST H	S(M) = 0.	MEAN TP(SE	C) = 0.	NUMBER OF	F CASES =	0
PHASE WAVE / LAT . SHORE PERCE! HEIGHT(METERS)			NAVE DIRECTION TO SHORELINE CW LATINE CHEIGHT AND P FERIOD(SECO				TOTAL
0 0.49	4.4.0 6.1.0	8,1- 9,6- 9.5 10.5	FERIOD(SECO 10.6-11.8- 11.7 13.3	15.3 18.	1 22.2	22.3- LONGER	0
99999999999999999999999999999999999999	217 5 92 47 . 10 						129900000000000000000000000000000000000
TOTAL MEAN HS(M) = 1.48	310 62 LAPGEST H	0 0 S(M) = 2.11	Ů Č Mean TP(Se	Č (C) = 5.5) Ö NUMBER OF	0 = CASES =	219
	3 ST APPROACH ANG LON, START= LINE ANGLE = NT OCCURRENC	20 YEAR 4 LE(RELATIVE 48.05N/124.7 168.0 (DEG E(X1000) OF	AVE DIRECTIO TO SHOPELINE OW LAT L LAZ WATE HEIGHT AND P			74.9 68W TERS	
PHASE HAYE LAT SHORE SHORE HEIGHT(METERS)	4.4- 6.1-						TOTAL
	3 ST 4 APPROACH ANG ON: START = 1 IT OCCURRENC 4.4- 6.1- 6.0 8.0 331 898 718 1888 718 1887 75 1201 75 176 . 176 . 37 		PERIOD(SECO			74.9 -68W FERS 22.3- LONGER - - - - - - - -	TOTAL 3846537 24727-556740 24727-556740 14727-556740 14727-556740 14727-556740
HEIGHT(METERS)	4.4- 6.1- 6.30 8.96 718 1887 992 1201 75 754 . 176 . 37 	8 91- 9 6 5 8 91- 16 8 1 934 7 6 3 1 934 7 6 3 1 1 6 7 2 1 5 1 1 1 6 7 2 1 7 5	PERIOD (SECO - 11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	NDS) 13.4- 15.4 15.3 18.	18.2- 2 1 22.2	22.3- LONGER	38463740 63275566742 25521 25521
HEIGHT (METERS) 0.499 0.500 - 0.499 1.500 - 1.949 2.500 - 2.949 2.500 - 3.499 2.500 - 3.499 2.500 - 3.499 2.500 - 3.499 2.500 - 3.499 2.500 + 1.77	4.4- 6.1- 6.0 8.0 331 898 718 1887 992 1201 176 . 176 	8 9.5 90.65 8 9.5 10.68 10.6	PERIOD (SECO - 3 - 3 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	NDS) 13.4-15.4 15.3 16. 1 15.3 16. 1 27. 3 51 C) = 8.8 N STATISTIC IN DEGREES ON ENDE-11 = 1 ERIOD BY DI	18.2- 2 1 22.2	22.3- LONGER : : : : : : : : : : : : : : : : : : :	38846377400441 24907475767421 255521 10859
HEIGHT (METERS) 0.50 - 0.49 0.50 - 1.49 1.50 - 1.99 2.50 - 2.99 3.50 - 3.49 3.50 - 3.49 4.50 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 6	4.4- 6.1- 6.0 8.0 331 898 718 1887 992 1201 176 176 176 176 2119 4953 LARGEST H 3PROACH ANG ON START= 11 OCCURRENC	8 1- 9 0 6- 5 8 9 5 10 8 1 1 1 6 8 1 2 7 2 1 7 5 1 4 7 2 7 2 1 7 5 S(M) = 5 . 7 6 1 2 1 7 6 1 4 7 2 7 2 1 7 5 S(M) = 5 . 7 6 1 4 7 2 7 2 1 7 5 S(M) = 5 . 7 6 1 4 7 2 7 2 1 7 5 S(M) = 5 . 7 6 1 4 7 2 7 2 1 7 5 S(M) = 5 . 7 6 1 5 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PERIOD (SECO - 3 - 3 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	NDS) 4- 15.4 15.3 18. 15.3 18. 15.3 18. 17.7 18. 17.7 18. 17.7 18.	18.2-2 1 22.2 	CASES =	3834 6346 5527 75540 1756 1744 21 10859
HEIGHT (METERS) 0.499 0.500 - 0.499 1.500 - 1.949 2.500 - 2.949 2.500 - 3.499 2.500 - 3.499 2.500 - 3.499 2.500 - 3.499 2.500 - 3.499 2.500 + 1.77	4.4-0 6.1-0 6.3 8 9 8 71.8 1887 992 12014 7.76 7.76 7.76 7.76 7.76 7.76 7.76 7.7	8 9 1 5 1 1683 1 1 1 1683 1 1 1 1683 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PER 10-1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NDS) 4- 15.4 15.3 18. 15.3 18. 15.3 18. 17.7 18. 17.7 18. 17.7 18.	18.2-2 1 22.2 0 NUMBER OF NUMBER OF NOT 12.2 0.00 NET 12.2 1 22.2 1 1 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	22.3- LONGER 	3884637740441 67019524709 6707576742 8 59 670695150574 215521 1 0 T 70695150554 200009875574

	3 ST 4 PPROÀCH ANG ON. START= INE ANGLE = I OCCURRENC	20 YEAR LE(RELATI 48.06N/124 168.0 E(X1000)				CAL SUMM, S)= 105. 7.96N/129 10.00 MI IRECTION	ARY 0 - 134.9 4.68W ETERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9	PERIO 6- 10.6- 0.5 11.7	D(SECOND 11.8- 1 13.3	S) 3.4- 15 15.3 16	4- 18.2- 3.1 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	555897240 88997240 121330	•	3 271 271 255 271 255 277 255 277 257 257 257 257 257 257	: \$	201200000000000000000000000000000000000		:	00681718425 1840675377 147865422
TOTAL	108 747					i o	<u>.</u> 0	
MEAN HS(M) = 3.15	LARGEST H	S(M) = 7.	26 MEAN	TP(SEC)	= 10.6	NUMBER (OF CASES =	2597
	3 ST PPROÀCH ÁNG ON START= INE ANGLE = T OCCURRENC	LE(RELATIV 48.06N/124 168.0 E(X1000)				CAL SUMM/ S)= 135.(10.00 HI IRECTION	ARY 7 - 164.9 1.68W ETERS	
HEIGHT(METERS)	4,4- 6,1-	8.1- 9 9.5 1	PERIO 6- 10.6- 0.5 11.7	113.3	\$) 3,4- 15, 15,3 16	4- 18.2- 0.1 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	1 13 13 15 11 15 11 1 1 1 1 1 1 1 1 1 1						:	14480100000
MEAN HS(M) = 1.53		S(M) = 2.	•	TP(SEC)	= 6.6	-	OF CASES =	51
PHASE WAVE A LAT: L SHORE PERCEN	3 ST. 4 PPROACH ANG ON. START= INE ANGLE = T OCCUPRENC	20 YEAN LE(RELATI 48.06N/124 168.0 (8	R WAVE DI VE TO SHO 4.704 DEG. AZ.) DE HEIGHT	RECTION RELINE I LAT. LON WATER AND PER	STATISTI N DEGREE DEPTH = IOD BY D	CAL SUMMA 31-16512 10-00 MI 10-00 MI IRECTION	ARY 0 - 180.0 168W ETERS	
HEIGHT(METERS)	4,4- 6,1 ₀	8,1- 9	PERIO 6- 10.6- 0.5 11.7	D(SECOND 11.8-1	§) 3.4- 15.	4- 18.2- 0.1 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999			· · · · · · · · · · · · · · · · · · ·	: : : : : :			: : : : : :	0000000000
MEAN HS(M) = 0.	LARGEST H	5(M) = 0.	MEAN	TP(SEC)	= 0.	NUMBER (OF CASES =	0

HEIGHT(METERS) PERIOD(SECONDS) TO' 4.4- 6.1- 8.1- 9.6- 10.6- 11.8- 13.4- 15.4- 18.2- 22.3- 6.0 6.0 9.5 10.5 11.7 13.3 15.3 18.1 22.2 LONGER	AL
3.00 + 3.49 . 12 51 67 264 422 176 10	26812045
3.50 - 3.99	43 51 80 70



WIS STATION 4 (48.06N/ 124.70W TO 47.96N/ 124.68W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y657890123456789012345 E999966666789912345	MANG ANG TIME TO A THE ANG THE	00041012420410576985	048/ เมื่อ000งกระที่774548	มหายการการการการการการการการการการการการการก	27-12-14-14-14-14-14-14-14-14-14-14-14-14-14-	85,45,65587,95,75,85,7,609,0 11,11,11,11,11,11,11,11,11,11,11,11,11,	42.6572.12.0472.74.007.051	Mademy and some second and some second secon	1174471447444	มมิตาล994มิตาลยาลยาลยาลยาลยาลยาลยาลยาลยาลยาลยาลยาลยา	244977908797296477507	00400000000000000000000000000000000000	N5486665555554587-67985
MEAN	3.8	3.6	3.1	2.5	1.8	1.6	1.4	1.3	1.8	2.8	3.5	4.0	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 4 (48.06N/ 124.70W TO 47.96N/ 124.68W)

HTHOM

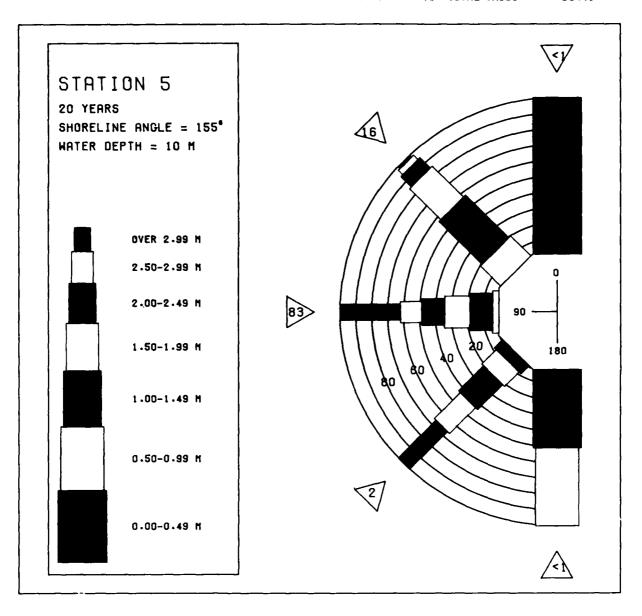
	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 R955556666666777777777777777777777777777	198704487268449215177	ชุงทุชจาดสอเกรเลา (ชุงทุชจาก เกรเลา (ชุงทุชจาก (ชุงทุชจาก)	09500000000000000000000000000000000000	27.72.447.2697.47.47.507.66 446447.72697.47.47.507.66	449กลเกียดสาวเกาเลขาดการกา	852174065719222475757561	NOVONOMINATIONS NO	พระเมายายยยยยยยยยยยยยยยยยยยยยยยยยยยยยยยยยย	844.148กอง49ตาเลยเลยเลยเลยเลยเลยเลยเลยเลยเลยเลยเลยเลยเ	444505574540544445554	85075740721255071580	65666567666657657765

20 YR. STATISTICS FOR PACIFIC STATION 4 (48.06N/ 124.70W TO 47.96N/ 124.68W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECONDS)	2.6 10.9 90.0
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND : : (DEGREES) STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS) TABLET LAVE AND A	90.0 1.3 2.5 7.6
MÄVE TP ÄSSÖCTÄTED WITH LARGEST WAVE HS (SECONOS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	7.6 16.7 88.9
DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	63122215

HAYE I LAT SHORE! PERCE!	3 ST APPRDÁCH LON, STAR LINE ANGI NT OCCURR	ANGLE(27 = 47 E = 15 ENCE(X	20 YEAR P RELATIVE 96N/124.6 5.0 (DEC 1000) OF	AVE DIR TO SHOR SW L HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIST N DEGRE END= DEPTH = IOD BY	ICAL SEES)= 47.86N 10.00 DIRECT	JMMARY 0 /124 61W METERS ION	14.9
HEIGHT(METERS)								.2- 22.3 2.2 LÓN	
99999999999999999999999999999999999999		: : : : : :		: : : : : :		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	000000000000000000000000000000000000000
MEAN HS(M) = 0.	LARGES	ST HS(M) = 0.	MEAN	TP(SEC)	= 0.	NUMB	ER OF CA	SES = 0
PHASE WAYE LAT SHOPE PERCEI HEIGHT(METERS)	3 ST APPROÀCH LON: STAF LINE ANGI NT OCCURF	SHOLE(T= 47 E= 15 ENCE(X	20 YEAR PRELATIVE 96N/124.6 5.0 (DEC						44.9 Total
0 0 60			9.5 9.6	PERIOD 10.6- 11.7	11.8-1	3,4- 19 15.3	8.4- 18 8.1 2	2- 22.3 2.2 LON	GER 0
79999999999999999999999999999999999999	•	300 150 	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			35 39 10 00 00 00
MEAN HS(M) = 1.44) = 2.11		TP(SEC)	-	_	ER OF CA	SES = 568
PHASE MAVE / LAT SHORE	3 ST APPROACH	5 ANGLE(20 YEAR P	AVE DIR	ECTION T	STATIS	ĮĘĄL S	JMMARY	74 0
PERCE	LINE ANGI	RT = 47 E = 15 RENCE(X	96N/124.6 5.0 (DEC 1000) OF	ÅÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ	AT. LON WATER AND PER	END= DEPTH : IOD BY	47.86N	7124 61W METERS ION	74 .9
PERCE! HEIGHT(METERS)			20 YEAR PRELATIVE 96N/124.650 1000) OF	AZ) HEIGHT FERIOD	ATT LOW WATER AND PER (SECOND 11.8-1	DEPTH : 100 BY 3,4- 1	47.86N 10.00 DIRECT	7124.61W METERS ION	TOTAL
		8 32 21 6 4 2 21 6 4 2 2 5 6 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	910872730915 9108727309915 910872730915	FERIOD 10.67	(SECOND 1 11 3 7 61 5 8 2 2 3 5 7 3 2 7 3 7 3 7 7 8 2 4 4 2 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5) 3,4- 1; 15,3]	138 69 446 1245 159 159 159 159 159 159 159 159 159 15	7124 01W METERS 10N 22 22 32 2.2 2 10N	TOTAL
HEIGHT (METERS)	4.4- 6.18 3.95 19 62.5 648 14 42 15 1732 66	8 1 - 8 8 3 21 7 7 1 2 5 7 7 7 2 5 7 7 7 2 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	90 65477330915 108727330915 10872733115 1087851131	FER 160. 7 95839981 19825836655550 8060	SECOND 11 3 7 22315 307357940 115159440 115159440 1151597	53.1 5.1.1 5.5.1.1 5.2.5.6.1 5.2.5.6.1 6.7.7.7.7.7.7.7.7.7.7.6	13 69 446 1421 1379	2- 22.3 2.2 LON 	TOTAL GER 429 12297 10415 6645 3049 11917 10063
HEIGHT (METERS) 0.499 1.500 - 12.499 1.500 - 22.499 2.500 - 3.499 2.500 - 44.99 2.500	4.4- 6.0 1.85 16.29 648 16.42 1732 68	6.1- 8 6.0 21 6.42 21 7.71 26 7.27 27 7.27 25 7.28 1	910.6.5.65.77.73.99.99.10.87.79.10.10.87.79.10.10.87.79.10.10.10.10.10.10.10.10.10.10.10.10.10.	FER 100.7 1953399 19025539 19025539 19025	(SE 8.3 - 76 - 13 - 76 - 13 - 76 - 13 - 76 - 13 - 76 - 13 - 76 - 13 - 76 - 14 - 16 - 16 - 16 - 16 - 16 - 16 - 1	\$1.5.3 1	18:4-1 18:8 13:8 13:8 49:6 14:45:1 16:5 1	2- 22.3 2.2 LON 	TOTAL GER 42 47897 10415 4645 4655 3049 1917 10463 246 SES = 26614
HEIGHT (METERS) 0.499 1.500 - 12.499 1.500 - 22.499 2.500 - 3.499 2.500 - 4.99 2.5	4.4- 6.60 1.8 3.95 6.48 1.6 6.48 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	5. 8 6. 42 2. 25 2. 25 2. 25 2. 27 2.	910.6.5.65.77.73.99.99.10.87.79.10.10.87.79.10.10.87.79.10.10.10.10.10.10.10.10.10.10.10.10.10.	FER 100.7 1953399 19025539 19025539 19025	(SECOND 1 11 3 .76 1 3 2 2 3 3 7 3 7 5 6 4 2 9 7 5 E C I N I I E C I E C I E	\$3.4.4.11 \$1.5.5 \$1.	1 8 8 8 1 3 8 8 8 9 9 8 9 8 9 9 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	2- 22.3 2.2 LON 	TOTAL GER 42 47897 10415 4645 4655 3049 1917 10463 246 SES = 26614
HEIGHT (METERS) 0.499 0.50 - 1.499 1.500 - 2.999 2.500 - 2.999 2.500 - 3.499 2.500 - 4.499 5.00 - 4.499 5.00 - 4.499 5.00 - 4.499 5.00 - 4.60 MEAN HS(M) = 1.97	4.4-0 189 16 189 16 189 16 189 16 189 16 1732 66 1732 66 189 169 169 169 169 169 169 169 169 169 16	8 252 1-0 252 8 32 1-0 252 1-0 252 1-1 10 M (1.5X 8 5046431 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	910 165,47730915 10 0 150,44730915 10 7 7 8 1240 16 16 16 16 16 16 16 16 16 16 16 16 16	FEO: 1 95832631655550 ME A 100-7 100	ON 1 CO. 3 CO.	\$1.5 \cdot \	1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	2- 22.3 22.2 LON 22.2 LON 3.2 LON 4.5 LON 4.5 LON 2- 22.3 2.2 LON 3.5	TOTAL GER 42 47897 10415 4645 4655 3049 1917 10463 246 SES = 26614

PHASE WAYE A LATOREL SHOREL PERCEN	3 ST PPROACH A ON. STARI INE ANGLE T OCCURRE	20 Y NGLE(RELA = 47.95N/ = 155.0 NCE(X1000					ICAL SUM ES)= 105 47.86N/1 10.00 DIRECTIO	MARY .0 - 134.9 .24.61W HETERS	
HEIGHT(METERS)	4.4- 6.0	3.0 8,1- 3.0 9.5	9.6- 10.5	PERIOD 10.6- 11.7	(SECOND 11.8- 1 13.3	S) 3.4- 15 15.3 1	.4- 18.2 8.1 22.	- 22.3- 2 LONGER	TOTAL
- 0.499 - 0.4999 - 1.9999 - 1.22499 - 1.22499 - 2.32499 - 2.32499 - 3.4499 - 3.4499	3 1 87 1 18 2 18 . 15	15 15 147 147 160 147 17 208 109 109 11 109	1366 1360 1315 747 2436 471	2997359181 2991357 121357 87	10 10 10 10 10 10 10 10 10 10 10 10 10 1				03776395913 1794556181 25064522
MEAN HS(M) = 3.24	LARGEST	r HS(M) =	6.76	MEAN	TP(SEC)	= 9.7	' NUMBER	OF CASES =	2061
PHASE WAYE A LATOREL PERCEN	3 ST. PPROACH A ON. START INE ANGLE T OCCURRE	20 Y NGLE(RELA = 47.96N/ = 155.0 ENCE(X1000					ICAL SUM ES)= 135 47.86N/1 10.00 DIRECTIO	MARY .0 - 164.9 24.61W METERS	
HEIGHT(METERS)	4.4- 6.	3.0 9.5	9.6- 10.5	PERIOD 10.6- 11.7	(SECOND 11.8-1 13.3	S) 3.4- 15 15.3 1	8.1 18.2 8.1 22.	- 22.3- 2 LÖNGER	TOTAL
- 0.499 - 0.4999 - 1.22999 - 1.2299 - 1.2	10 2 10 2				: : :				01445100000
MEAN HS(M) = 1.54	I.ARGES1	r HS(M) =	2.55	MEAN	TP(SEC)	= 6.2	NUMBER	OF CASES =	52
PHASE WAYE A LATORL SHORE PERCEN	3 ST. PPROACH A ON. START THE AUGLE T OCCURRE	20 Y MGLE(RELA F= 47.95N/ = 155.0 NCE(X1000					ICAL SUM ES)= 165 47.86N/1 10.00 DIRECTIO	MARY 0 - 180.0 24 61W METERS	
HEIGHT(METERS)	4.4- 6	1- 8.1- 3.0 9.5	9.6- 10.5	PER 100	(SECOND 11.8-1 13.3	S) 3.4- 15 15.3 1	.4- 18.2 .8.1 22.	- 22.3- 2 LONGER	TOTAL
99999999999999999999999999999999999999			· · · · · · · · · · · · · · · · · · ·		0 TP(SEC)		· · · · · · · · · · · · · · · · · · ·		00000000000
MEAN HS(M) = 0.	LARGES	T HS(M) =	v.	MAJE	17(356)	= 0.	HUNDER	OF CASES -	U



HIS STATION 5 (47.96N/ 124.68W TO 47.86N/ 124.61W)

MONTH

	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	nout that have the transfer of	ดงจุกษาการการกราชกากกาก การกระทำการการการการการการการการการการการการการก	๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛	42-1-11/10/044-10/10/10/00/000	097999050000450798-1-17	85745555777795258585865802	MANUA CONTRACTOR OF THE PROPERTY OF THE PROPER	אסאמיים ווישטעים אינטעים אינטע	58885579850069787061	45777784506078541797	กลางเกายาการการการการการการการการการการการการการ	59709400080742047745	NATITIONA 664134117766873
MEAN	3.7	3.6	3.1	2.4	1.8	1.6	1.3	1.3	1.7	2.7	3.4	3.9	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 5 (47.96N/ 124.68W TO 47.86N/ 124.61W)

HTHOM

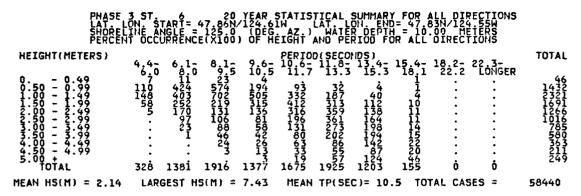
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 855556666666667777777 1111111111111111111	168315566656476676	1206004871580027-475260	99479324672914975140	446444mm4m44m6h44444	MUNICAL CONTRACTOR CON	7.57.60.64.2179.87.47.64.66.57 ณณณฑณณฑณณณณฑณณณฑฑก	ณะการครอบการการครอบการการการการการการการการการการการการการก	ณะการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการก	64าณฑา4าณฑา4ตณาจจากส ณฑาณน4ฑาณฑากากณณณฑณา	00500000000000000000000000000000000000	8-1500m49m-97m-674-1560	05666567656657757666

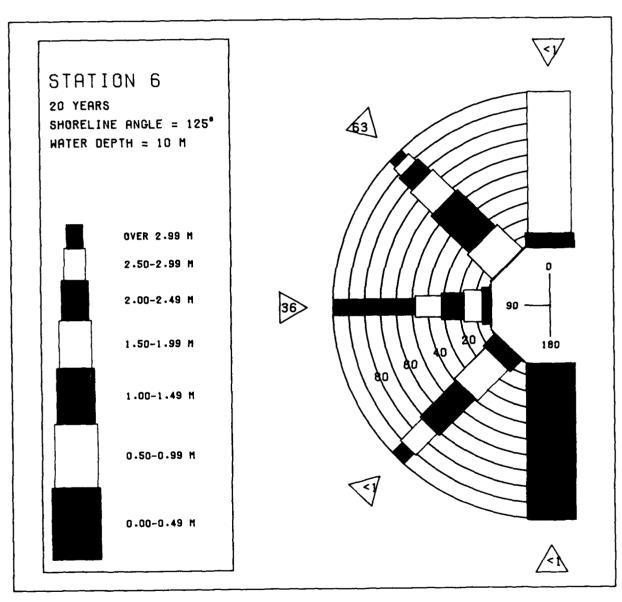
20 YR. STATISTICS FOR PACIFIC STATION 5 (47.96N/ 124.68W TO 47.86N/ 124.61W)

MEAN SIGNIFICANT HAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECONDS)	2.5 10.8 90.0
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES) STANDARD DEVIATION OF WAVE HS (SECONDS) STANDARD DEVIATION OF WAVE TP (SECONDS)	1.3
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) ASSOCIATED WITH LARGEST WAVE HS (SECONDS) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	2.5 7.7 16.7
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	63122215

PHASE ALL MEAN HS(M) = 0.	3 ST.CH ANGLON. START = 4 IT OCCURRENCE 4.4- 6.1	8.1- 9.6- 9.5 10.5 		· · · · · · · · · · · · · · · · · · ·	SUMMARY 14.9 33\12455\\ 00 METERS CCTION 18.2-22.3- 22.2 LONGER 	TOTAL 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	4:4- 6:1- 6:0 8:0 749 1315 1167 1220 135 634 	20 YEAR WERELATIVE 17.86N/124.66 125.00 (OF STATE OF STAT			SUMMARY 44.9 33N/124.55W 00 METERS CTION 18.2- 22.3- 22.2 LONGER	TOTAL 2278 22792 780 780 00 00 00 00 00 00 00 00 00 00 00 00 0
PHASE ALATOR PHASE ALATOR PHASE ALATOR PERCENT	4-0 6-8-8 88930-6-6-8-8 1355 2823 7723 3 1435 2723 3 1435 2723 3	8.1- 9.6-5 9.5 10.41 2.32 1943 5730 19435 5730 3056 909 1575 151 241 171 173 173 173 174 175 175 175 175 175 175 175 175	PEP.10D (SECO) 10.6-11.3-3 11.7 13.13 33.19 1865 4021 3107 29.29 34.66 4021 34.67 20.29 34.66 85.14 14.52 12.6 30.57 12.6 30.57 14.18 1 16.719		SUMMARY 74.9 00 74.9 00 METERS 18.2- 22.3- 22.2 LONGER 6 i 15 0	TOTAL 403 12027 20373 1044 5298 31933 11046 46198
PHASE WAYE LATER PHASE WAYE WAYE LATER PHASE WAYE WAYE WAYE WAYE WAYE WAYE WAYE WAY	4:4- 6:1- 6:0 8:0 13 30 201 473 35 521 18 18 18	7 E AR E 66 C F C RE C N / 1 24 E 66 C F C C C C C C C C C C C C C C C C	PERIOD (SEE SEE SEE SEE SEE SEE SEE SEE SEE SE	N STATISTICAL IN DEGREES): DID = 47 8 P 0 EPTH = 10 ERIOD BY DIRE NOS) 15.3 18.1 15.3		TOTAL 0775999 1146508200 1146508200 145020 145020

PHASE A WAVE A LAT SHOREL PERCEN	3 ST PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	20 YE LE(KELAT 47.36N/1 E(X1000)				L SUMMARY 105.0 83N/124.5 6CTION	134.9 5W RS	
HEIGHT(METERS)	4.4. 6.1. 6.0 8.0	8,1-	PERIO 9.6- 10.6- 10.5 11.7	113.3	5) 3.4- 15.4- 15.3 18.1	18.2- 22 22.2 l	3- ONGER	TOTAL
0.4999999999999999999999999999999999999	92 18 106 208 100 3733 . 259 	2538 1257 1257 1257 1257 1257 1257 1257 1257	5 i 137 i 127 i 160 i 150 i 150 i 150 i 150 i 150 i 150 i 150 i				: : : : : :	06026440048 044443961
MEAN HS(M) = 2.53	LARGEST H	S(M) = 6	.14 MEAN	TP(SEC)	= 7.6 N	UMBER OF	CASES =	969
PHASE A WAVE A LAT L SHOREL PERCEN	3 ST. 6 PPROÀCH ÂNG ON. START= INE ANGLE = T OCCURRENC	20 YE LE(RELAT 47.86N/1 125.0 E(X1000)				L SUMMARY = 135.0 - 83N/124.5 00 METE ECTION	164.9 55W RS	
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8,1-	PERIO 9.6- 10.6- 10.5 11.7	D(SECOND:	§) 3.4- 15.4- 15.3 18.1	18.2- 22 22.2 L	3- ONGER	TOTAL
99999999999999999999999999999999999999	i : : : : : : : : : : : : : : : : : : :	: : : : : : :	· · · · · · · · · · · · · · · · · · ·	: : : : : : : :		: : : : : :	: : : : : :	01000000000
MEAN HS(M) = 0.79	LARGEST H	S(M) = 0	.79 MEAN	TP(SEC)	= 5.9 N	UMBER OF	CASES =	1
PHASE A NAVE A LAT. L SHORL FERCEN	3 ST PPROÀCH ANG ON. START= INE ANGLE = T OCCURRENC	20 YE LE(RELAT 47.86N/1 125.0 E(X1000)				L SUMMARY = 165.0 83N/124.5 00 METE ECTION	180.0 5W RS	
HEIGHT(METERS)	4,4~ 6,1-	8.1-	PERIO 9.6- 10.6- 10.5 11.7	D(SECOND:	5) 3.4- 15.4- 15.3 18.1	18.2- 22	3- ONGER	TOTAL
99999999999999999999999999999999999999	· · · · · · · · · · · · · · · · · · ·	: : : : : :	· · · · · · · · · · · · · · · · · · ·	: : : : : :	· · · · · · · · · · · · · · · · · · ·	: : : : : :		00000000000
MEAN HS(M) = 0.	LARGEST H	IS(M) = 0	. MEAN	TP(SEC)	= 0. 1	IUMBER OF	CASES =	0





WIS STATION 6 (47.86N/ 124.61W TO 47.83N/ 124.55W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R5555666666666777777 E99999999999999999	had hand and hand h	44776เกิดและสงบรรมายาการกรรมายาการกรรมายาการกรรมายาการกรรมายาการกรรมายาการกรรมายาการกรรมายาการกรรมายาการกรรมาย	16827-1-1924547-194625804	976727958973772358834	MANAGO CAMBANA AND AND AND AND AND AND AND AND AND	האינוייייייייייייייייייייייייייייייייייי	10210089209901101110	101010101010101101111111	25555024655477766447679	90131149161734106044	76740647757450705704	การการการการการการการการการการการการการก	NO991-1-100000-000091-00490 EAL-100000000000001-000000000000000000000
MEAN	3.3	3.1	2.6	1.9	1.4	1.3	1.1	1.0	1.4	2.2	2.9	3.5	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 6 (47.86N/ 124.61W TO 47.83N/ 124.55W)

HTHOM

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 R57890123456789012345 E999999999999999999999999999999999999	99500594179429945908	751111524062025210206	44604409044646460000807n	9848699999999995499999999999999999999999	งงงงงงงงงงงงงงงงงงงงงงงงงงงงงงงงงงงงง	446557947-157592414497	มาการการการการการการการการการการการการการ	80667777096776875815609	มกบทองบรุษทกาเกาบองบององอา อาการของรูปการของององอา	3474555645454547398419	###55465464#56665646	515666577656667647666

20 YR. STATISTICS FOR PACIFIC STATION 6 (47.86N/ 124.61W TO 47.83N/ 124.55W)

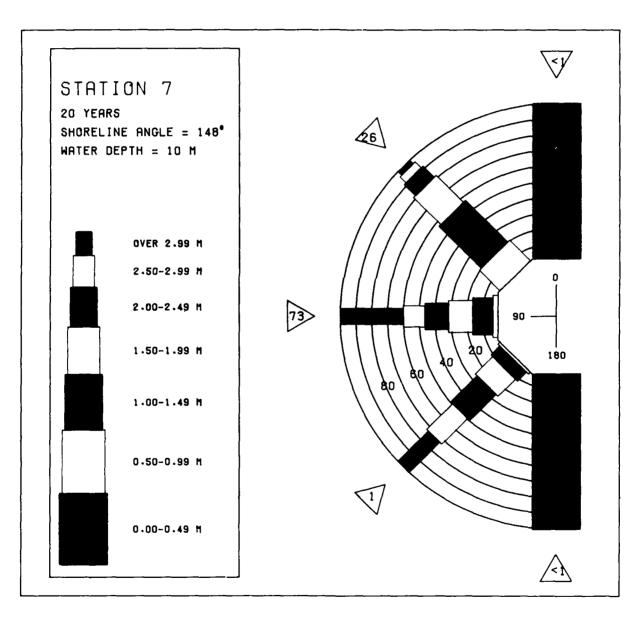
MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2 1
MEAN PEAK WAVE PERIOR (SECONDS)	10.5
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	60.Q
MÖST FREQUENT 30 0 DEGRÉE (CENTER) DIRECTION BAND : (DECREES) STANDARD DEVIATION OF MAVE HS (SECONDS) STANDARD DEVIATION OF MAVE TP (SECONDS)	1.2
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE HS (SECONDS) LARGEST WAVE HS (SECONDS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURTENCE IS (YR, MO, DA, HR)	ن ج
WÄVĒŢĖ ĀSŚŌCIĀTEĎ WIŤH LARĞEŚT WAVE HS (ŚĒCŌNĎŚ)	16.7
AYERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	86.3
DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	69121200

PHASE WAVE LAT. SHORE PERCE	3 ST 7 APPROACH ANI LON. START= LINE ANGLE NT OCCURREN	20 YEAR GLE(RELATIVE 47.83N/124 = 148.0 (DE CE(X1000) DE				SUMMARY 14.9 0 - 14.9 1/124.48W 1 METERS 110N	,
HEIGHT(METERS)	4.4- 6.1 6.0 8.	8.1- 9.6 9.5 10	PERIOD:	(SECOMDS) 11.8- 13.4 13.3 15.	- 15.4- 18 3 18.1 2	2- 22 3- 2.2 LONGER	TOTAL
99999999999999999999999999999999999999							0000000000
TOTAL MEAN HS(M) = 0.	Ó Ó LARGEST 1	0 (45(M) = 0.		Ó Ó FP(SEC)≈	0 . NUMS	Ó Ó BER OF CASES	= 0
							·
	3 ST 7 APPROACH AN LON. START= LINE ANGLE TOCCURREN	20 YEAR GLE(RELATIVE 47,83N/124 = 148.0 (06 CE(X1000) OF				SUMMARY 15.0 - 44.9 1/124.48W 1 METERS TION	
HEIGHT(METERS)	4.4- 6.1 6.0 8.	8.1- 9.6 9.5 10	PERIOD:	(SECONDS) 11.8- 13.4 13.3 15.	- 15.4- 18	3.2- 22.3- 22.2 LONGER	TOTAL
99999999999999999999999999999999999999	30 22 578 114 121 77						1199 1990 1900 000
2.50 - 2.99 3.00 - 3.49 3.50 - 3.99		•	•		•		0
שי טעיכ	:	•	•		•		0
TOTAL MEAN HS(M) = 1.30	789 213 LARGEST	0 (HS(M) = 1.78	-	Ó Ó TP(SEC) =	0 5.6 NUME	0 0 BER OF CASES	= 587
PHASE WAYE LAT SHORE PERCEI	3 ST 7 APPROACH AN LON. START= LINE ANGLE IT OCCURREN	20 YEAR SLE(RELATIVE 47.83N/124. = 148.0 (DE CE(X1000) OF				SUMMARY 45.0 - 74.9 4/124.48W METERS ION	•
HEIGHT(METERS)							TOTAL
	4.4- 6.1 6.0 2.5 2177 436 2177 496 1634 22 655 157 . 157	8 .1 - 9 .6 9 .9 .9 .9 .9 .9 .9 .9 .9 .9 .9 .9 .9 .9	PERIOD 5 10.6-	SECONDS) 11.8-13.4.8 15.8-13.4.8 15.3-15.8 10.3-15.8 17.31.5.7 17.	- 15.4- 16 3 18:1 2		
HEIGHT (METTRS) - 0.9999 - 1.	4.4- 6.1 6.0 6.1 2.5 2174 581 3177 496 1634 22 655 157 . 157 	8 1- 9 6 9 1- 9 6 2785 798 27886 288 28547 1636 62558 1836 1337 183 13322 9312	PER 100 10.6-1 167.99 177.99 127.99 345.09 345.09 108.98	SECONDS) 11.8-13.4. 13.3 15. 6535 108 1731 1893 1731 78286 1731 1873 17327 876 1735 7133 1735 1733 1735 1735 1735 1	15.4-16.3 18.5 115.3 15.495.1 1077.3 1027		TOTA 46155371018247 465797018247 4257336 4257336 4257336 4257336 425747
HEIGHT (METTRS) 0.499 0.500 - 0.499 1.500 - 12.499 2.500 - 2.3499 2.500 - 2.499 2.500 - 2.499 2.500 - 14.499 5.00 + 1.499	4.4- 6.1 6.6 2177 436 21777 496 16345 2 2 1577 	8 1- 906 2795 798 27886 283632 28557 1648 28557 1648 28557 1648 13322 9312 13322 9312 13322 9312 1343(M) = 6.66	PER 100 101.6-7 11.6-2 177993 177993 3430 3430 3430 10898 11 HEAN WAVE DIRI TO SHOLL 55 AZ, 11	SECONDS 1 4 6 2 1 3 3 1 5 6 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 6 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	15.4-1 16.3 16.4-1 15.4-1 15.4-1 16.3 16.3 10.73 1	3.2- 22.3- 2.2. LÖNGER 	TOTAL 74611 1537753 602771 22537347 24632
HEIGHT (METERS) 0 - 0 - 499 1 - 50 - 1 - 249 1 - 50 - 2 - 3 - 49 2 - 50 - 3 - 49 3 - 50 - 4 - 49 5 - 10 - 10 MEAN HS(M) = 1 - 79 PHASE WAYE SHORE HEIGHT (METERS)	4.4- 6.1 6.0 25 2174 581 3177 496 1635 22 655 157 17	8 1- 906 2795 798 27886 283632 28557 1648 28557 1648 28557 1648 13322 9312 13322 9312 13322 9312 1343(M) = 6.66	PER 100 101.6-7 11.6-2 177993 177993 3430 3430 3430 10898 11 HEAN WAVE DIRI TO SHOLL 55 AZ, 11	SECONDS 1 4 6 2 1 3 3 1 5 6 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 1 3 7 5 7 6 2 6 2 6 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	15.4-1 16.3 16.4-1 15.4-1 15.4-1 16.3 16.3 10.73 1	3.2- 22.3- 2.2. LÖNGER 	TOTAL 7461537 64607:537 6407:71 24537347 24632
HEIGHT (METTRS) 0.499 0.500 - 0.499 1.500 - 12.499 2.500 - 2.3499 2.500 - 2.499 2.500 - 2.499 2.500 - 14.499 5.00 + 1.499	4-0 6.1. 7470 21777 4-0 21774 4-0 21774 4-0 21774 4-0 21774 4-0 21774 4-0 2571 4-0 2	8 1- 906 2795 798 27886 283632 28557 1648 28557 1648 28557 1648 13322 9312 13322 9312 13322 9312 1343(M) = 6.66	PER 10-7 PER 16-7 17779939635555 1 16779939635555 1 1677993963555 1 1677993963555 1 1677993963555 1 1677993963555 1 1677993963555 1 1677993963555 1 167799396355 1 167799396355 1 167799396355 1 167799396355 1 167799396355 1 167799396355 1 167799396355 1 167799396355 1 167799396355 1 16779939635 1 1677993963 1 1677993963 1 167799396 1 167799396 1 1677998 1 167799 1 16779 1 16779	1	151615 4-1 151615 151615 151615 162 163 163 163 163 163 163 163 163	3.2- 22.3- 2.2. LÖNGER 	TO 726575718247 2 L 146077583584 4253563 3 4 T 5721554085557 7 2444948055 7 T 24449444235

PHASE A HAVE A SHOREL PERCEN	3 ST 7 PPROACH AN ON. START= INE ANGLE T OCCURREN	20 Y GLE(RELA 47.83N/ = 148.0 CE(X1000	EAR WA TIVE T 124.55 (DEG.) OF H	VE DIR O SHOP W AZ.) IEIGHT	ECTION ELINE I AT. LON WATER MID PER	STATIS N DEGR END= DEPTH IOD BY	TICAL EES)= 47.76 = 10.0 DIREC	SUMMAR 105.0 N/124. 0 MET TION	Y - 134.9 48W EPS	
HEIGHT(METERS)	4.4- 6.1 6.0 8.	8,1-	9.6- 10.5	PERIOD	(SECONO 11.8-1 13.3	S) 3.4- 1	5.4- 1 18.1	8,2- 2	2.3- LONGER	TOTAL
0.499 0.499 0.499 1.500 - 12.499 1.5500 - 12.499 1.5500 - 24.499 1.5500 - 44.99 1.5500 - 44.99 1.5500 - 44.99	133 155 90 1389 20 289 20 39 20 39	· · · · · · · · · · · · · · · · · · ·	11411101255 111101255 415	153234165 10324165	8877763365 134552	165358	: : : : : :			08357081920 24553452 24512
MEAN HS(M) = 3.08	LARGEST I	15(M) = (6.98	MEAN	TP(SEC)	= 9.	2 NUM	BER OF	CASES =	1610
PHASE NATE LATE LATE LATE LATE LATE LATE LATE L	3 ST 7 PPROICH AND ON. START= INE ANGLE: T OCCURREN	3LE(RELA 47.83N/ 148.0 E(X1000					TICAL EES)= 47.76 = 10.0 DIREC	SUMMAR 135.0 N/124. 0 MET TION	Y - 164.9 48W ERS	
HEIGHT(METERS)	464- 681	8,1-	9.6- 10.5	PERIOD 10,6-	(SECOND 11.8-1 13.3	S) 3.4- 1 15.3	5.4~ 1 18.1	8,2- 2	2 3- LÖNGER	TOTAL
0.49 0.500 - 1.49 1.500 - 1.22 1.500 - 22 1.500 - 23 1.500 - 34 1.500 - 4 1.500 - 1 1.500 -	11 6 1 1 6 1 1 6 1 1 1 6	; ; ; ;		ò		: : : : : : :		0		127100000000000000000000000000000000000
MEAN HS(M) = 1.16	LARGEST	4S(M) = :	1.51	MEAN	TP(SEC)	- 5.	9 NUM	BER OF	CASES =	15
PHASE ALAYE ALAYE ALAYE ALAYE ALAYE ALAYE ALAYER AL	3 ST 7 PPROACH AN ON. START= INE ANGLE T OCCURREN	GLE(RELA 47.83N/ 148.0 E(X1000							Y - 180.0 48W ERS	
HEIGHT(METERS)	4,4- 6,1 6.0 8.	8.1-	9.6 10.5	PERIOD	SECOND 113.3	S) 3,4- 1 15.3	5.4- 1 18.1	8,2- 2	2 3- LÖNGER	TOTAL
0.50 - 0.49 1.50 - 1.49 1.500 - 1.99 2.500 - 2.49 3.500 - 2.49 3.500 - 3.49 4.500 - 4.99 5.00 + TOTAL	Ö Ö				13.3 : : : : : :				: : : : : : : : : : : : : : : : : : :	000000000000000000000000000000000000000
HEART HOURT - U.	LARGEST	15(11) -	٠.	I IE AIT	11 (326)	- 0.	11011	ULK OF	CAJLS -	J

PHASE 3 ST. 7 20 YEAR STATISTICAL SUMMARY FOR ALL DIRECTIONS LAT LON. STATE 47.83M/124.55W LAT. LON. END 47.76M/124.48W SHORELINE ANGLE = 148.0 (DEG. AZ.) WATER DEPTH = 10.00 METERS PERCENT OCCURRENCE(X100) OF HEIGHT AND PERIOD FOR ALL DIRECTIONS

PERCEN	1 0000	KKENCE	(XIOO)	UF MI	EIGH /	ANU PER	KIOD FO	R ALL	DIKECI	TOMS	
HEIGHT(METERS)	6 6-	4 1	0 1_	0 4_	PERIO	O(SECO)	۱ĎŽ)	1E 4-	10 2-	22 7	TOTAL
	6,0	8.0	8,1-	9.6- 10.5	111.7	13.3	15.3	18,1	22.2	22.3- LÖNGER	_
0.50 - 0.99	53	246	304	84	17	Ġ	ż	1	:	:	712
1.28 - 1.49	1 <u>21</u> 7 <u>8</u>	387 228	766 378	365 441	29]	226	11	ą	•	•	1915
2.00 - 2.49	7	144	135	249	322	334	111	7	i	:	ŢŞĒÓ
3:00 - 3:49	:	15	69	172	211	337	187	13	:	:	1954
4.80 - 4.49	:	:	14	23	151	211	226	22	:	:	56 5
4.50 ~ 4.99 5.00 +	•	•	2	10	37	91 72	173	20 87	•	•	333
TOTAL	26 İ	1078	179İ	1387	1795	2114	1347	186	i	Ò	405
MEAN HS(M) = 2.47	LARG	EST HS	(M) =	7.68	MEAN	TP(SEC	c)= 10.	8 TOT	AL CAS	ES =	58440



HIS STATION 7 (47.83N/ 124.55W TO 47.76N/ 124.48W) MONTH

						110111	• •						
	MAL	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC	
R6789012374567890123745 48555566666667777777 1979999999999999999	ดเกตรสการสการสการณ์ กณร์ ราชาการสการณ์ กณร์ ราชาการสการณ์ กณร์ ราชาการณ์ กณร์ ราชาการณ์ กณร์ ราชาการณ์ กณร์ ราชาการณ์ กณร์ ราชาการณ์ กณร์ ราชาการณ์ กณร์ ราชาการณ์ กลารณ กลารณ์ กลารณ กล กล กล กล กล กล กล กล กล กล กล กล กล	osocoominos de proposoco	งการสารสารสารสารสารสารสารสารสารสารสารสารสา	NATH44200950081146851779	78699755779457787006	74445486605657465980	14424014211211596840	20512048512120242431	57884569749059786051	N4666677495967470687	คุณพามาครางของคุณภาคาการ	MONGOODONG GOODONG	พ.ศ. 44 การเกา 44 การเกา 64 การเกา
MEAN	3.7	3.5	3.0	2.3	1.7	1.5	1.3	1.2	1.7	2.6	3.3	3.9	

LARGEST HS(METERS) BY MONTH AND YEAR

HIS STATION 7 (47.83N/ 124.55W TO 47.76N/ 124.48W)
MONTH

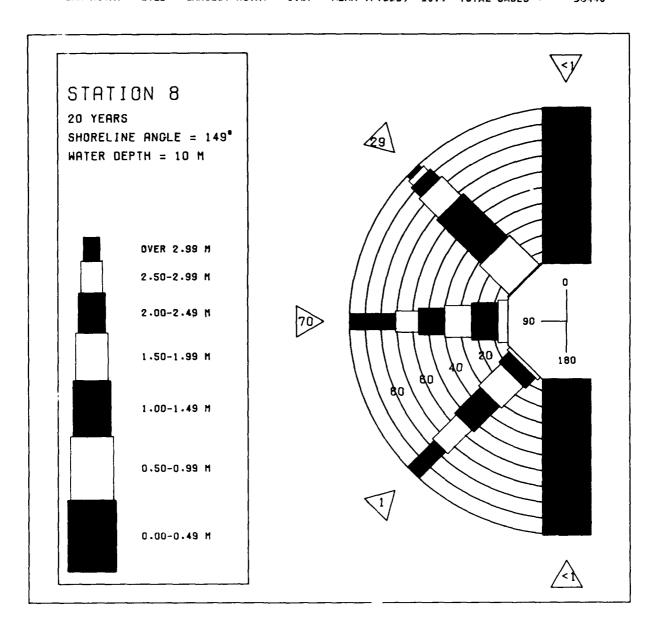
							••					
	MAL	FEB	MAR	APR	MAY	JUH	JUL	AUG	SEP	OCT	NOV	DEC
Y1111771111711111111111111111111111111	1487-16585-187-00877-85	926114734689217463249	887687476747500764479	940444MM4M4MM6M44444	กกับกับเกิดที่ 40-41-เลยายนที่กับกับกับกับกับกับกับกับกับกับกับกับกับก	กระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบกา	00718769719504474798	ณะเกราย เลาะเกราย เกาะเกราย เกาะเกราย เกาะเกราย เกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะ	มส์อณฑากณณณคลอดเลย	984595800288879616814	79311938217525740242	93563776165694903751 55666567656657657656

20 YR. STATISTICS FOR P	ACIFIC STATION	7 (47.83N/ 124.5	5W TO 47.76N/ 124.48W)
MEAN PEAK HAVE PERIOD MOST FREQUENT 30.0 DEGR STANDARD DEVIATION OF W STANDARD DEVIATION OF W	EIGHT	CTÍON BAND	(METERS) 2.5 (SECONDS) 10.8 (DEGREES) 60.0 (METERS) 1.2 (SECONDS) 2.5 (METERS) 7.7 (SECONDS) 16.7 (SECONDS) 82.4 (DEGREES) 73012318

PHASE WAVE LAT. SHEDRE LAT. SHEDRE HEIGHT (METEPS) 0.499 0.500 - 0.499 1.500 - 1.999	3 ST 8 APPROACH ANG LON, STAPT= LINE ANGLE LINE ANGLE 4.4-6.1-6.0 8.0	8.1 9.6- 9.5 10.5 	AVE DIRECTION TO SHORELINE BM LAT LO AZ) WATER HEIGHT AND PE PERIOD(SECON 10.6-11.8- 11.7 13.3	1053 1354- 15.4- 15.3 18.1 	SUMMARY 14.770N/124.43W 200 METERS ECTION 18.2- 22.3- 22.2 LONGER	TOTAL 0 0 0 0 0 0 0 0 0 0 0 0
PHASE HAVE. SHORE SHORE HEIGHT (METERS) - 0.49 0.50 - 1.99 1.50 - 2.49 2.50 - 2.49 2.50 - 3.49 3.50 - 4 99 4.50 - 4 99 4.50 - 4 99 5.00 - 4 MEAN HS(M) = 1.25	4.4- 6.1- 6.30 8.0 207 121 136 163 		AVE DIRECTION TO SHORE INE SW LAT IT HEIGHT AND WE PERIODISECON 10.6-11.8- 11.7 13.3	(DS) 13.4- 15.4- 15.3 18.1 	SUMMARY 15.0 - 44.7 70N/124.43W 00 METERS ECTION 18.2-22.3- 22.2 LONGER 	TOTAL 13 2181 109 100 000 000
PHASE WAYE SHORE SHORE PERCE HEIGHT (METERS) - 00 - 199 - 1	4.4- 6.1- 6.7 5.16 2.61.5 5.18 2.61.5 5.25 2.15 1.25 3.25 2.15 1.25		489 210 26487 1115 32804 26432 2169 26321 2169 2737 2179 12635 2179 12635 13072 12620	DS) 4-3 15.4-1 15.6-1 1	SUMMARY 74.450 7	TOTAL 294193322149221 2983229249321 1823292926318 297966318
PHASE WAYE SHOPE PERCE HEIGHT (METERS) 0.49 0.500 - 12.79 1.500 - 22.79 1.500 - 2.79 1.500 - 3.99 1.500 - 3.99	3 ST. 6 ANGLE ENT OCCUPRENCE 4.4 - 6.1 - 6.2 - 6.1 - 6.2 - 6.1 - 6.2 - 6.1 - 6.2 - 6.1 - 6.2 - 6.1 - 6.2 - 6.1 - 6.2 - 6		AVE DIRECTION TO SHORELINE CONTROL OF THE CONTROL O	STATISTIC 4: IN DEGREES: PO DEPIH = 47: PO DEPIH = 10: PO	18.2- 22.3- 22.10 - 104.9 18.2- 22.3- 22.10 - 109.9 10 - 109.9 10 - 109.9	TO TO 00 6450700057

MEAN HS(M) = 2.86 LAPGEST HS(M) = 6.79 MEAN TP(SEC) = 12.0 NUMBER OF CASES = 17097

PHASE WAYE L LAT L SHOREL PERCEN	3 ST. 8 PPROACH AN ON. START= INE ANGLE T OCCURREN	GLE(REL) GLE(REL) 47.49.0 CE(X100)	(EAR HE ATIVE (124.46 (DEG O) OF 1	AVE DIR TO SHOP 3W (AZ.) HEIGHT	RECTION ELINE I AT LON- WATER AND PER	STATIS IN DEGI IN DEGI IN EPTH IOD BY	STICAL REES)= 47.7 = 10. Y DIRE	SUMMAN 105.0 0N/124 00 ME CTION	7 - 134.9 1434 TERS	
HEIGHT(METERS)	4.4- 6.1 6.0 8.	- 8 ₉ 1-	9.6- 10.5		11.8-1 13.3		15.4- 18.1		22.3- LONGER	TOTAL
0.49 0.50 - 1.49 1.500 - 1.49 2.500 - 2.49	6 20 41 107 162 287 44 420 . 102	27 28 251	; 13	: 8	: :	:	:	:	:	27 175 558 846
3.00 - 3.49 3.50 - 3.99	306 102 30	178179045 2852463 2221	18967 18967 14342 1369	41953699 12153699	5555 1531 26325 175	· .565118				27586867498 27594415818 275981887521
	: : 253 1272	1042					Ġ	Ċ	ô	
MEAN HS(M) = 2.88	LARGEST	HS(M) =	6.87	MEAN	TP(SEC)) = 8	.9 NU	MBER OI	F CASES =	2480
PHASE WAYE A LAT. SHOREL PERCEN	3 ST. 8 PPROACH AN ON. START= THE ANGLE T OCCURREN	GLE(REL) 47,760, = 149.0 CE(X100	YEAR WATIVE				STICAL REES)= 47.7 = 10. Y DIRE	SUMMAN 135.0 0N/124 00 ME CTION	RY - 164.9 .43W TERS	
MEIGHT(METERS)	4.4- 6.1 6.0 8.	ō 8,1.5	9.6- 10.5	PERIOD 10.6- 11.7	(SEÇONO 11.8- 1 13.3	(§) (3.4-) (15.3)	15.4- 18.1	18.2- 2 22.2	22.3- LÖNGER	TOTAL
0 499 - 1 229 - 1 2	4.4- 6.1 6.0 8. 13 . 20 3	•	:	:	:	:	:	:	:	121
1.509 1.2299 1.2		•	:	•	:	:	:	:	:	9000
4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	; ; 37 13	ċ	: 0	: ò	: ô	: ò	: ô	: ò	: Ö	0
MEAN HS(M) = 1.18	LARGEST	HS(M) =	1.87	MEAN	TP(SEC)	= 5.	.4 NU	MBER O	CASES =	31
PHASE WAVE A LATE SHOPEL PERCEN	3 ST. 8 PPEOACH AN UN. STAPT I'E ANGLE T OCCURREN	20 GLE(REL) 47.76N = 149.0 CE(X100	YEAR NA ATIVE 124.40 DEG D) OF 1						7Y - 180.0 434 TERS	
HEIGHT(METERS)	4.4- 6.1 6.0 8.	- 8;1 ₅	9.6- 10.5	PERIOD 10.6- 11.7	11.8- 1 13.3	(§) (3.4-) (5.3	15.4- 18.1	18.2- : 22.2	22.3- LÖNGER	TOTAL
0.499 0.499 0.1999	• •	:	:	•	:	:	•	:	:	0000000000
0.999 0.		•	:	•	:	:	:	:	:	0
4.50 - 4.49 4.50 - 4.99 5.00 + TOTAL	: :		: ò	: ō	: ò	:	: 6	: ò	; ō	000
MEAN HS(M) = 0.	LARGEST	-	-	_	TP(SEC)) = C	. 110	-	F CASES =	. 0

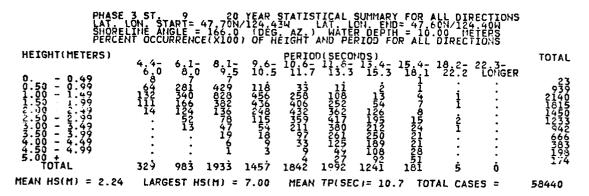


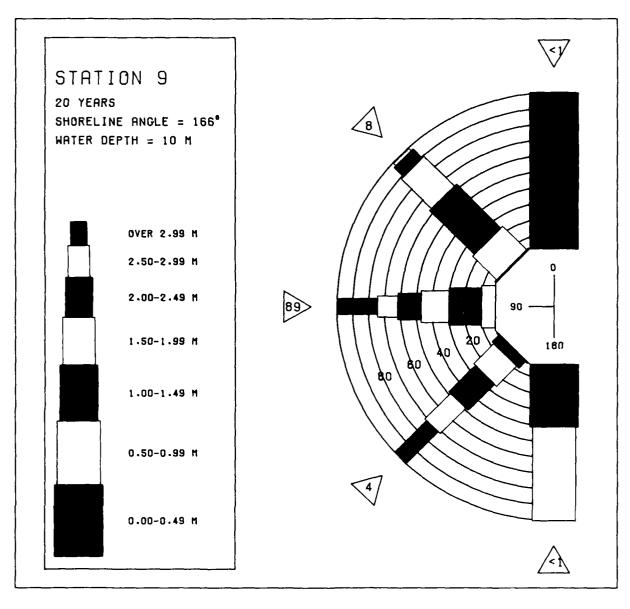
WIS STATION 8 (47.76N/ 124.48W TO 47.70N/ 124.43W)

								48W I	U 47.		124.4		
						MONT	Н						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
YEAR													MEAN
1956 1957	3:1	2.6	2.5	1:8	1.6	1:2	1:1	1:1	1:3	2.0	2.6 2.8	2.2	2.0
1958	3.9	3.3	2:4	2:5	1:4	ŢŀŽ	į:ă	į:į	1.6	2:3	2:3	3.6	2:3
1966	3:0	3:4	2:8	2:1	1:3	1:5	i:i	1:2	1:2	2:2	3:1	3∶8	ž: <u>i</u>
1961 1962	3.7	3.4	2.9	2.0	1:5	1.2	8:3	1:9	1:3	2.3	2.7	2.8	2.1
1963	2.6	3.5	2:5	ī.6	1:3	1:4	ĭ.ģ	0 :7	1.6	2:9	3.0	3.4	ž: <u>į</u>
1965	3:0	ž:ģ	2:2	\$:0	1:3	1:6	† :i	1:0	1:3	2:6	\$:7	3:3	ž: <u>į</u>
1967	3.2	3.6	2.4	1:3	1:2	1:1	1:0	1:6	1:6	2.1	2.4	3.8	2:1
1968	3.1	₹. ½	3.7	3.3	1.3	1.3	1.1	1.1	1.3	2.3	3.2	3.1	₹.1
1970	3.3	3 ∶ĕ	<u>3</u> .2	2:4	1:4	1:3	1:3	įį	į:š	2:3	2∶9	3:4	2:3
1972	3.6	₹:2	2:5	2:2	1:4	1:3	1.3	1:3	1:3	1:7	3:5	3:2	\$.5
PAR67890123456789012345 PAS5556666666789012345 PASS5556666666677777777777777777777777777	179,4075,6108014706709	6679446157870748002277	มหายงานการการการการการการการการการการการการการก	9858-10961-09697442837	664565MM5672M5464874	***************************************	10321990310011393629		7505254652665554758	OOMOUNING HOLLOWOOMOUNING HOLLOWOOM	689417796874629915621	94650844656545493070 จากการเการการการสารเการการ	NOOMITTOIR TOIR MARKET TO THE PROPERTY OF THE
1975	2.9	2.7	2.4	1.7	1.4	1.0	0.9	1.0	ō.ā	2.5	3.1	3.0	1.9
MEAN	3.2	3.1	2.6	2.0		1.3		, ,	1 4			7 /	
MEAN	3.6	3.1	2.0	2.0	1.5	1.5	1.1	1.1	1.4	2.2	2.9	3.4	
			L	ARGES	T HS(METER	5) BY	MONT	DIA H	YEAR	!		
		WIS S	TATIO	N 8	(47	.76N/	124.	48W T	0 47.	70N/	124.4	3W)	
						THOM	H						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
YFAD													
3 500									_	_			
1956 1957	6.8 4.1	4.3 6.1	4:7	3.5 3.5	2.7	2.7	1.8	2.2	2.5	3.7	3.8	5:1 5:1	
1956 1957 1958	6.8	4.3 6.1 5.0	4.7 4.4 4.0	3.5.66	2.7 2.8 2.4	2.7	1.8	2.2 1.7 1.7	2.57	3.7 3.6 4.0	3.8	5.1 5.2 6.2	
1956 19558 19560 1960	813847	46556	4.7 4.0 4.1 7	あいるいろう	784630	72075	1.89297	2.2	222325	7.60 7.60 1.17	34455	556655	
19557 19559 1961 1961 1962	817847N	3109241	7401737	からいっちゃっちゃっちゃっちゃっちゃっちゃっちゃっちゃっちゃっちゃっちゃっちゃっちゃっ	7846525	7207598	1121111	21.77	5765252	7600133	8397657	5566556	
195560 195550 19966623 1996634	813843273	310924104	740173703	あいらいかかのでし	78465215159	720759844	892976681	277994052	57-6525287	760013354	8397-057-09	556655666	
11911111111111111111111111111111111111	8-38430733	31092410447 46556546444	74017370349	からいかかのでものと	78467255987	72035984460	89297668107	27799403280	57652528787	7600-13354-10	83976576977	5566556665	
11111111111111111111111111111111111111	8-13843473733656 646556546565	310924104471	740173703427	กกษายายายายายายายายายายายายายายายายายายา	784632151598716	7207598446284	892976681074	277994032885	มาการเราสายกา	7600133541976	839765769773	550055000505	
19999123456789 199999999999999999999999999999999999	84555654656564	46556546444545	74017370342736	UNINUMANA CALLANDANA C	78465255987189	72075984462841	89297668107401	27799403288510	57632528183959	76001335419788	34455464454556	55665566656566	
17111111111111111111111111111111111111	8178472777659022	4655654644454555	7401737034273666	กกบกกกณะสงมากกษา กายกากกณะสงมากกษา	7846325598718942	7207598446284142	1121111122112221	27779940328851080	มาการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการก	7600133541978856	8397657697733678	5566556665656656	
17111111111111111111111111111111111111	81384327336590222E	31092410447146713r	74017777074477766655	๚๚๚๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛	78467255987189424	720759844628414227	89297668107401066	277994032885108070	มางเกาะเลาะเลาะเลาะเลาะเลาะเลาะเลาะเลาะเลาะเล	760015554197885010	87976576977376784	H1244203800H8279394	
17111111111111111111111111111111111111	8-m84marmnospoonaussm	3109241044714671310 46556576444545455555555	7401737034473065508	๚๚๚๚๚๚๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛	784670150987-189404717	720757984462841422797	8929766840740406657	2779940328851080796	มา รายการกระบบการการการการการการการการการการการการการก	7600113344075788501215	879765769777776781880	1124200000182793966 556655666565655665	
R67990123456789012345 E999999999999999999999999999999999999	8-1184514-511-511-511-511-511-511-511-511-511	31092410447146713101 465565564445555555555	74017370344736655485	กรายการการการการการการการการการการการการการก	7846721515987-189424717	72075984462841422797	89297668197491066535	27799403288510807968	57-6ภณภณผลสภาคภณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณ	76001775419788501255	83976576977336781889	55665566656566556656	
					•						3.,	*	
20 YR.	STAT	ISTIC	S FOR	PACI	FIC 5	TATIO	N 8	(47.7	'6N/ 1	24.48	W TO	47.70	IN/ 124.43H)
20 YR.	STAT	ISTIC	S FOR	PACI	FIC 5	TATIO	N 8	(47.7	'6N/ 1	24.48	W TO	47.70	
20 YR.	STAT	ISTIC	S FOR	PACI	FIC 5	TATIO	N 8	(47.7	'6N/ 1	24.48	W TO	47.70	
20 YR.	STAT	ISTIC	S FOR	PACI	FIC 5	TATIO	N 8	(47.7	'6N/ 1	24.48	W TO	47.70	
20 YR.	STAT	ISTIC	S FOR	PACI	FIC 5	TATIO	N 8	(47.7	'6N/ 1	24.48	W TO	47.70	
	STAT	ISTIC	S FOR	PACI	FIC 5	TATIO	N 8	(47.7	'6N/ 1	24.48	3.,	47.70	24.43W) 2.1 10.6 60.1 2.5 14.3 14.3 72121612

PHASE WAYE SHORE WAYE SHORE WAYE SHORE WAYE SHORE WAYE SHORE WAYE SHORE WAYE WAYE WAYE WAYE WAYE WAYE WAYE WAY	APPROACH ANGLE - LINE ANGLE - L	8 1- 9 6- 9 5 10.5 : : : : : : : : : : : . : . : . : . :		ECONDS) 8- 13.4- 3.3 15.3 	ISTICAL SUMMA SREES) = 0 0 = 47.600 Me H = 16.00 Me BY DIRECTION 15.4-18.2- 18.1 22.2 		TOTAL 000000000000000000000000000000000000
PHASE HAYE LAT. SHORE HAYE LAT. SHORE HEIGHT (METERS) 0.499	4,4- 6,1- 6.0 8.0 137 8 1 11 			ECONDS) 6- 13.4- 3.3 15.3 	ISTICAL SUMMA GREES) = 15.0 1 = 47.60N/124 1 = 10.00 ME BY DIRECTION 15.4- 18.2- 18.1 22.2 		TOTAL 0 379 1320 00 00 00 111
	4.4- 6.1- 8.0 25 10.90 20.75 10.90 20.75	8 1 - 9 6 5 35 10 5 1582 280 1718 838 477 687 167 289 73 15 2930	PERIOD (SI) 10.6-7 705-6-7 705	ECOIDS) 4-3 5-1115 - 5-68033356 7777 - 1862221 60777 - 1862221 60777 - 1862221			TOTAL 14399218644860 14666664860 14701
PHASE WAYE PER WAYE P	4.4- 6.0 8.7 8.7 3.5 6.74 3.5 6.77 3.5 2.3 2.7 3.5 1.2 7	8 1 - 7 6 6 5 3 5 10 15 27 10 903 48 17 34 36 18 13 15 66 4 18 13 15 66 4 14 15 66 4 14 15 66 4 14 15 66 4 14 15 66 4 16 16 4 17 16 6 5 18 16 16 16 16 18 16 16 4 18 16 16 16 4 18 16 16 16 4 18 16 16 16 16 16 16 16 16 16 16 16 16 16	PEP 100 (51 11 1 - 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -	ISTICAL SUMMA GREES) = 75.0 1 = 40.00 /124 1 = 10.00 /124	22.3- LONGER : : : : : : :	TOTAL 968210036948 6025554454 42109775514 11109775514 395

PHASE T WAVE AL LAT. LO SHOREL PERCEN	3 ST PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIVE 47.70N/124.4 166.0 (DEC E(X1000) OF				ICAL SUMM ES)= 105. 47.60N/12 10.00 M DIPECTION	ARY 0 - 134.9 4.40W ETERS	
HEIGHT(METERS)	4.4- 6.1 6.0 8.0	8.1- 9.6- 9.5 10.5	PERIOD	15ECOND 11.8-1	9) 3.4- 15	.4- 18.2- 8.1 22.2	22.3~ LONGER	TOTAL
- 0.499 0.500 - 1.299 1.500 - 1.299 2.500 - 1.299 2.500 - 1.33,499 4.500 - 4.99 4.500 - 4.99 TOTAL	\$ 200 142 381 51 248 . 82 . 8 	555 974 1355 1277 2885 12987 2887755 626 1477 62	4608555098 1335516737 14737	1057 1297 13667 11661 1095	13.0589921 12.0001	· · · · · · · · · · · · · · · · · · ·		7.650473768 1117768
MEAN HS(M) = 2.88	LARGEST H	S(M) = 6.45	MEFN	TP(SEC)	= 9.6	NUMBER	OF CASES =	3928
PHASE T WAYE L LAT L SHOREL PERCENT	3 ST 9 PPROÀCH ÁNG ON START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIVE 47.70N/124.4 166.0 (056 E(X1000) OF				ICAL SUMM ES)= 135. 47.60N/12 10.00 N DIRECTION	ARY 0 - 164.9 4.40W ETERS	
HEIGHT(METERS)	4,4- 6,1- 6,0 8.0	8.1- 9.6- 9.5 10.5	PERIOD	13.3	§) 3.4- 15	.4- 18.2- 8.1 22.2	22.3- LÖNGER	TOTAL
0.50 - 0.49 1.500 - 1.49 1.500 - 1.29 2.500 - 2.29 3.500 - 3.49 3.500 - 4.99 4.500 + 4.99 TOTAL	4.4- 6.1- 6.3 . 13 . 27 20 23 41 .		:				:	33724600000
3.50 - 3.99 4.00 - 4.49			:	:	:	: :	:	ŏ
5.00 + TOTAL	 69 116	 Ö Ö	Ö	Ō	Ö	 0 0	Ö	ŏ
MEAN HS(M) = 1.66	LARGEST H	S(M) = 2.82	MEAN	TP(SEC)	= 6.1	NUMBER	OF CASES =	111
PHASE A WAYE A LAT L SHORE PERCEN	3 ST PPROÁCH ÁNG ON. START= INE ÁNGLE = T OCCURRENC	20 YEAR LE(RELATIVE 47.70N/124.4 166.0 E(X1000) OF					ARY 0 - 180.0 4 40M ETERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6- 9.5 10.5	PERIOU 10.6-	11.8.3 1	§) 3.4- 15 15.3 1	.4- 18.2- 8.1 22.2	22.3- LONGER	TOTAL
00112233499 00112233499 00112233499 001000000000000000000000000000000000			:	:			:	00000
2.50 - 2.79 3.50 - 3.99			•	:	:	: :	:	0000000
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	• •		•	:	:	: :	:	000
TOTAL Mean HS(M) = 0.	Ö Ö LARGEST H	0 0 S(M) = 0.	0 Mean	O TP(SEC)	0 ≂ 0.	0 0 NUMBER (0 DF CASES =	9





WIS STATION 9 (47.70N/ 124.43W TO 47.60N/ 124.40W)
MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	
Y1111111111111111111111111111111111111	646417-6801-19-19-19-19-19-19-19-19-19-19-19-19-19	ชากาเกเกตร์ของกากจากกาณ ขณากากการทางการทางกากเก	6947-09-57-647-57-855-09-55	0079-109701-100010555049	77567644678345476885	17-14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	2142100142142494759	10012037512003041420	46767457677747665878	20417540267747418445	7005205107588700076141	ดเกอร์งเกรียนสายเกรายนายนายนายนายนายนายนายนายนายนายนายนายนา	N-1-14-COM-COMPONICATION
MEAN	3.3	3.2	2.7	2.2	1.6	1.4	1.2	1.2	1.5	2.4	3.0	3.4	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 9 (47.70N/ 124.43W TO 47.60N/ 124.40W)

MONTH

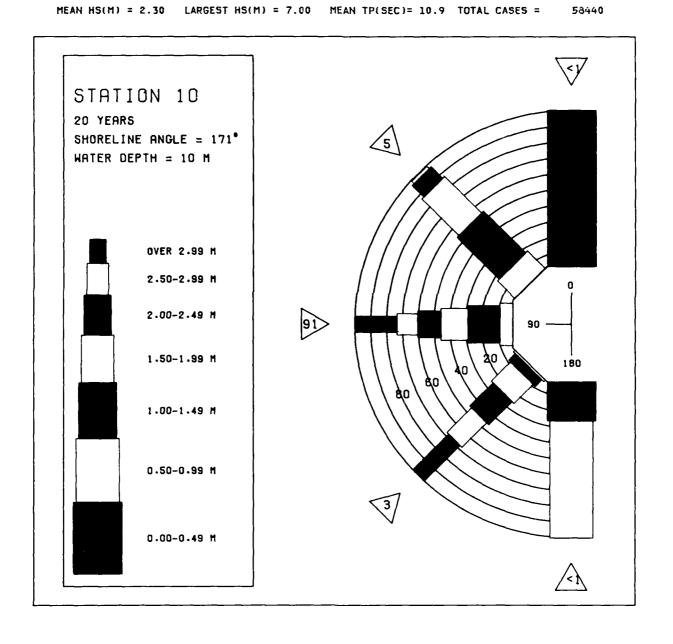
	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	ชนเทคอกการกับเกองเองเกงเกม ชนเทคอกการกับเกมจงเองเกงเกม	49190094944949004490	95779486768059047617	780844004861567-15561	งกรงงงงงงงกรงงกรงงกรงงกรงงกรงงกรงงกรงงก	ชลงพลงอนุกรทุกสุดอด พลงพลงอนุกรทุกสุดอด	00598089229511006756	48900424590621919089	งการเสอทรามเกอเกง 8084งเก	93415497760907594680	<u> </u>	55665566656656567655

20 YR. STATISTICS FOR PACIFIC STATION 9 (47.70N/ 124.43W TO 47.60N/ 124.40W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2 2
MEAN DEAV HAVE DEDITOD (CECONDE)	10.7
HOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	9 0.0
STANDARD DEVIATION OF WAVE TP (SECONDS)	1.1 2.5 7.0
LARGEST WAVE HS (METERS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS)	7.0 16.7
AVERAGE DÍRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	72122512
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	72122512

PHASE HAVE SHORE HAVE SHORE HEIGHT (METERS) 0.9499 0.5500 1.222.35.500 4.499 4.500 - 4.99 4.500 - 4.99 4.500 - 4.99 5.000 - 4.99 4.500 - 4.99 MEAN HS(M) = 0.	3 ST 10 APPROACH ANGLE = LINE ANGLE = NT OCCURRENCE 4.4- 6.1- 6.0 8.0 	8 1- 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6		0105) 	- 18.2- 22.3 1 22.2 LON	TOTAL GER 00000000000000000000000000000000000
PHASE WAYE LATE PHASE WAYE LATE PHASE LATE PHASE LATE PHASE LATE PHASE P	APPROACH ANGLE = LINE ANGLE = L	20 YEAR (E(RELATIVE 17.60N/124) 171000 OF (X1000) OF 8.1- 9.6 9.5 10.9 		ONDS) 3 13.4- 15.4 3 15.3 18.	- 18.2- 22.3 1 22.2 LON	TOTAL GER 0788
PHASE HAVE LAT. SHORE LAT. SHORE PERCE LAT. SHORE PERCE LAT. SHORE	3 ST 10 APPROACH ANGLE LINE ANGLE = 10 10 OCCURRENCE 4-6-0 8-0 32 20 1034 2337 1034 2337 1034 1337 1034 1337 1034 1337 1034 1337 1034 1337 1034 1337 1034 1337 1034 1337 1034 1337 1035 144 1337 1036 144 1337 1036 144 1337 1037 144 1337 1037 144 144 144 144 144 144 144 144 144 14		PERIOD(SEC 10.6-11.3 3.0 1.5 492 1.14 793 373 554 371 634 3407 1.16 1.16 1.16 1.16 1.16 1.16 1.16 1.1	ONDS) - 13.4- 15.4 3 15.3 18. i	- 18.2- 22.3 1 22.2 LON	TOTAL GER 70987 502433 14438 1458 14580 200
PHASE WAVE .EE WAVE .		8 1 - 9.6 9.2 9.2 10 1 2701 901 1873 3425 425 4496 4235 4496 4235 4496 10 1 10 1 10 1 10 1 10 1 10 1 10 1 10		0:1053: 1518 1533 1518 1518 1518 1518 1518 1518	- 18.2- 22.3 1 22.2 LON	TOTAL GER 177 17967 11959 1102905 60805 1968

PHASE A WAY! CHOREL PERCEN	3 ST. 1 PPROACH ON. STAR INE ANGL T DCCURR	ANGLE(T= 47 E= 17 ENCE(X	20 YEA RELATI 60N/12 1 0 (ICAL SUES)= 10 47.48N 10.00 DIRECT	JMMARY 15.0 - 124.3 METE	134.9 5W RS	
HEIGHT(METERS)	4.4- 6	8.0 8	,1- 9 9.5 1	.6- 0.5	PERIOD:	(SECOND:	S) 3.4- 15 15.3 1	.4- 18 8.1 2	2- 22 2.2 L	.3- DNGER	TOTAL
	107 32 107 32 	53 62 196 249 33 442 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	23 296 277 209 287 2028 2028 1020 203 203 203 203 203 203 203 203 203	2402764760	57 18097 18097 13212420 1410	1058499895222 10588822	8346034 1346034	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	·	0482 8082 10144 1194 1194 1796 1796
MEAN HS(M) = 2.84	LARGES	ST HS(M) = 6.	53	MEAN '	TP(SEC)	= 9.9	NUMBI	ER OF	CASES =	3436
PHASE WAYE A LATOR L STOREN PERCEN	3 ST. 1 PPROACH ON. STAR INE ANGU T OCCURR	0 ANGLE(?T= 47. E = 17 ENCE(X	20 YEA RELATI 60N/12 1.0 (ICAL S(ES)= 1: 47.48N 10.00 DIRECT:	JMMARY 35.0 - 124.3 METE ION	164.9 5W RS	
HEIGHT(METERS)	4,4- 6	8.0 8	.1- 9 9.5 1	0.5	PERIOC 10.6- 11.7	SECONO 1.8- 1 13.3	S) 3.4- 15	.4- 18 8.1 2	2- 22	.3- ONCER	TOTAL
- 0 1 1 2 2 3 3 4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	6.0 13 25 	8.0 1 20 34 13 6	9.5 1 : : 3 i : 7		11.7	13.3	15.3]	8.1 2:	2.2 U	ONGER	04696901700
MEAN HS(M) = 1.67	LARGES	ST HS(M) = 3.	51	MEAN	TP(SEC)	= 6.3	NUHBI	R OF	CASES =	7 7
	3 ST 1 PPROACH ON. STAR THE ANGLE T OCCURR	LO ANGLE(77= 47 E = 17 ENCE(X								180.0 5W ?S	
HEIGHT(METERS)	4.4- 6	.1- 8 8.0	9.5 1	.6- 0.5	PERIOD 10.6- 11.7	(SECONO: 11.8-1	5) 3.4- 15 15.3 1	.4- 18 8.1 2	2- 22 2.2 L	3- ONGER	TOTAL
		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		: : : :			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	0000000000
MEAN HS(M) = 0.	LARGES	ST HS(M	, - 0.		HEAN	TP(SEC)	= 0.	NUMBI	יא טר	CASES =	O.



WIS STATION 10 (47.60N/ 124.40W TO 47.48N/ 124.35W)

MONTH

	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	จะกองการงองเขต 4 อเกเซอซอกา จะสารกางเจนสากการการการการการการการการการการการการกา	87.4215.4848081-17.01.19448	79664948748679550715	นาของเทองกาคอาจเกอเกลเกอ	97677744779346587996	52235556482154445761	מחומת מיים מיים מיים מיים מיים מיים מיים מי		56874467637747676849	ณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณ	การเกิดของของเลยาการ เกิดของของของของของของของของของของของของของข	06753045675446723281	ZAMISAMMANAMANAWANAAAAA ERANAMANAWANAWAWAAAAAA E
MEAN	3.3	3.2	2.8	2.3	1.6	1.4	1.3	1.2	1.6	2.4	3.1	3.5	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 10 (47.60N/ 124.40W TO 47.48N/ 124.35W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 R67890123456789012345	04000000000000000000000000000000000000	Რ ᲢᲠᲘᲠᲠᲠᲠᲠᲠᲠᲠᲠᲠᲠᲠᲠᲠ	85247497879949986678	69087600477447609166	やいっしょういっとう ひょうしょうしょうしょうしょうしょうしょうしょうしょうしょうしょうしょうしょうしょ	722764562446627747710	4460909411N0614105460	480-9454440045-20099999999999999999999999999999999999	780037371114069788634	18745420560898275900	02497244470713971478	1372222380092248369893

20 YR. ST - STICS FOR PACIFIC STATION 10 (47.60N/ 124.40M TO 47.48N/ 124.35M)

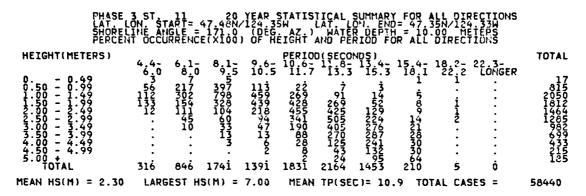
MEAN SIGNI-ICANT WAVE HEIGHT	2.3 10.0 90.1 2.5 14.3
WAYE TP ASSOCIATED WITH LARGEST WAYE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAYE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	14.3 79.2 63102409

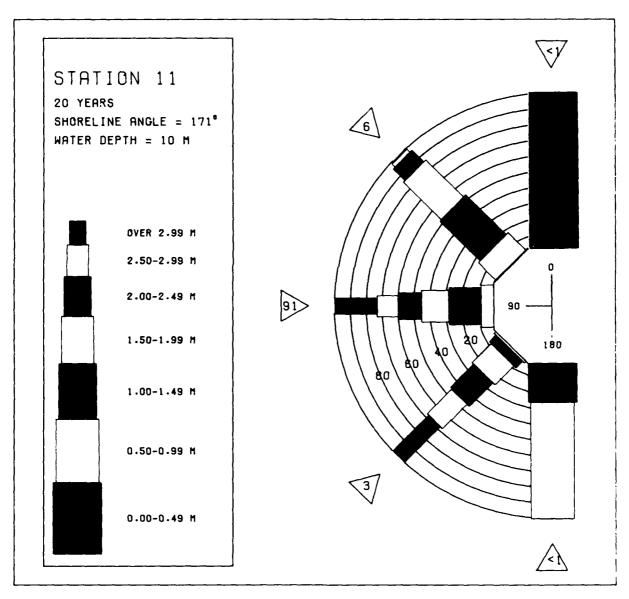
TÂŤ. Î SHOREI PERCEI	APPROACH ANG ON. START= INE ANGLE = IT OCCURRENC	20 YEAR LE(RELATIVE 47.48N/124.5 171.0 (DEC E(X1000) OF	TO SHORE LATER OF THE LATER OF	TION STAT LINE IN CE F. LON. EN MATER DEFY ID FERICO	ISTICAL SU IGPEES) = ID = 47.35N/ H = 10.00 BY DIRECTI	MMARY 0 14.9 124.33W 11ETERS CON	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6- 9.5 10.5	PERIOD(5	SECOND3) 13.4- 13.3 15.3	15.4- 18 18.1 22	2- 21.3- 1.2 LONGER	TOTAL
- 0.49 - 0.99 - 1.49 - 1.50 - 1.22 - 23.49 - 23.99 - 23.99 - 34.99 - 34.99 - 4.99 - 4.99 - 4.50 - 4.99 - 4.50 - 4.99 - 4.99 - 4.99 - 4.99 - 5.00 - 4.99 - 5.00 - 6.00 - 7.00 -	6.0 6.0	9.5 10.5	i 11.7 1	13.3 15.3	: 16.1 22		0000000000
MEAN HS(M) = 0.	LARGEST H		-	P(SEC) =	•	R OF CASES =	. 0
HEIGHT (METERS)	4.4- 6.1- 6.0 8.0 17 160 i	8 1- 9 6:		CTION STATE IN THE PRINCIPLE OF THE PRINCIPLE OF THE PRINCIPLE OF THE PRINCIPLE OF THE PRINCIPLE OF THE PRINCIPLE OF THE PRINCIPLE OF THE PRINCIPLE OF THE PRINCIPLE OF THE PRINCIPLE OF THE PRINCIPLE OF THE PRINCIPLE OF T			TOTAL 17 161 110
0.499 0.	1 6 : : : : : : 266 29		: : : : : ò			· · · · · · · · · · · · · · · · · · ·	161 161 111 00 00 00 00
MEAN HS(M) = 1.45	LARGEST H	S(M) = 2.48	MEAN TE	P(SEC) =	5.4 NUMBE	R OF CASES =	175
PHASE WAVE LATOREI PERCEI	3 ST 11 APPROACH ANG LON. START= LINE ANGLE = IT OCCURRENCE	20 YEAR LE(RELATIVE 47.48N/124. 171.0 (DEC E(X1000) DF				MMARY 15.0 - 74.9 124.33W HETERS ON	
							TOTAL
	4.4- 6.1- 3.0 2.0 489 1300 489 1300 1059 1014 68 634 	8 1- 9.6 17 269 243 1269 831 11864 862 292 425 140 259 10 17 10 17 10 17 10 27 10 27	PERIOD (\$1 10 10 10 10 10 10 10 10 10 10 10 10 10	SECONDS) 1.6- 13.4- 13.3 15.3 15 1 15.3 15.3 15.3 15.3 15.3 15.3 16.	15,4- 18, 18,1 22		70821543500 6509450843 3009450843 375217221
HEIGHT(METERS) 0 0.49 0.50 - 1.49 1.500 - 1.99 1.500 - 2.99 2.50 - 2.99 3.50 - 3.49 4.50 - 4.99 5.00 - 4.99 5.00 - 4.99 EAN HS(M) = 1.65	4.4- 6.1- 6.0 8.0 489 1.3030 917 1.059 1.0131 6.8 1.84 	8 1- 9.6 17 269 243 1269 831 11864 862 292 425 140 259 10 17 10 17 10 17 10 27 10 27	PERIOD (5) 10.6-7 10.6-	SECONDS) 4-13:4-13:3-15:15:15:15:15:15:15:15:15:15:15:15:15:1	15.4- 18.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1	2- 22.3- LONGER 	70821543500 6509450843 3009450843 375217221

MEAN HS(M) = 2.45 LARGEST HS(M) = 7.00 MEAN TP(SEC) = 11.7 NUMBER OF CASES = 42530

PHASE A WAYE A LAT HORE PERCEN	3 ST IPPROACH ON. STA IT OCCUR	ANGLI RT= 4 LE = RENCE	20 Y E(RELA 7.46N/ 171.0 (X1000	EAR WATIVE 1 124.35 (DEG.)				STICAL REES)= 47.35 = 10.0 Y DIREC	SUMMAF 105.0 N/124 10 ME TION	7 - 134.9 33W TERS	
HEIGHT(METERS)	4.4- 6.0	6.1- 8.0	8.1- 9.5	9.6- 10.5	PERIOD 10.6- 11.7	(SECOND 11.8~ 1	(S) 3.4- 15.3	15.4- 1 18.1	18.2- 2	22.3- LONGER	TOTAL
- 0.499 - 0.999 - 1.999 - 1.223.499 - 1.0500 - 3.499 - 3.499 - 3.499 - 4.99 - 4.99 - 4.500 - 4.500 - 4.500 - 4.500	252 107 32 	53 1696 12949 174 421 	25251 25251 25251 2872 2872 200 1354	24005775447 12221647 1000 1000 1000 1000 1000 1000 1000 10	5719 18097 18097 1427 1410 1410	554989022 11586882 111188		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	: : : : : : : : :	04508813776 8018813776 48104470776
MEAN HS(M) = 2.85	LARGE	ST HS	(M) = (6.53	MEAN	TP(SEC)) = 9	.9 NUI	1BER OI	CASES =	3434
PHASE HAVE LAT. SHORE PERCEN	3 ST IPPROACH ON. STA INE ANG	11 ANGLI RT= 4 RENCE	20 Y RELA 7.48N/ 171.0 (X1000	EAR WA TIVE 7 124.35 (DEG.	VE DIR TO SHORE SW L. AZ.) HEIGHT	ECTION ELINE I AT LON WATER AND PER	STATION DEGINERS OF THE PERSON	STICAL REES)= = 47.35 = 10.0 y DIREC	SUMMAR 135.0 5N/124 10 HE1	?Y - 164.9 33W TERS	
HEIGHT(METERS)	4.4- 6.0	6.1- 8.0	8,1- 9.5	9.6- 10.5	PERIOD 10.6- 11.7	SECOND	(S) (3.4-)	15.4- 1 18.1	18.2- 2 22.2	22.3- LONGER	TOTAL
- 0.49 0.50 - 1.99 1.500 - 12.499 1.500 - 3.499 22.300 - 3.499 34.500 - 4.99 1.000 - 4.99 1.000 - 4.99	13 25	i 20 34 13	3		:					:	04696901000
3.00 - 3.49 3.50 - 3.99 4.00 - 4.99 5.00 +	•	:	i :	•	•	:	•	•	:		01000
TOTAL MEAN HS(H) = 1.67	44 LARGE	74 ST HS	カラ = .	0 3.51	Ŏ Mean '	0 TP(SEC)	0) = 6	0 .3 NU1	Ó 1BER OS	0 CASES =	77
PHASE HAVE A LAT SHORE PERCER	3 ST APPROACH CON STA THE ANG IT OCCUR	11 ANGLI RT = 4 ILE = PRENCE	20 Y E1RELA 7.48N/ 171.0 (X1000	EAR WA TIVE 1 124.35 (DEG.				STICAL REES)= = 47.35 = 10.0 Y DIREC	SUMMAF 165.0 5N/124 0 ME1	RY - 180.0 TERS	
HEIGHT(METERS)	4.4- 6.0 :	6.1- 6.0 :	⁸ 9.5 :	9.65 10.5	PERIOD: 10.6- 11.7	(SECONO 11.8- 1 13.3	(\$) 13.4- : 15.3 :	15.4- 1 18.1 :	18.2- 8 22.2 :	22.3- LONGER	TOTAL
- 0.49 0.99 - 0.99 1.	:		:	:	:	:	:	:		:	0000000000
4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	Ó	ċ	ó	Ö	Ö	Ġ	Ö	ò	ċ	Ö	0

MEAN HS(M) = 0. LARGEST HS(M) = 0. MEAN TP(SEC) = 0. NUMBER OF CASES = 0





HIS STATION 11 (47.48N/ 124.35H TO 47.35N/ 124.33H) MONTH

	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R55555666666777777 E999999999999999999	งเกษ คราง คราง คราง คราง คราง คราง คราง คราง	ชา4ณภัสช4808-4-10-เกรสช ณนากทากณฑณฑณฑฑฑฑสภากกาณ	7966-194874867955501115	さられる のうき いっぱん のいっぱん のいっぱん	1717144789346507996	60mmmn6480mm444576m	אינותיים מינותיים מינותים מינותיים מינותים מינותיים מינותים מינותיים מינותיים מינותים מינ	מספטים ביים ביים ביים ביים ביים ביים ביים ב	56874467647747676849	ณณณณณณฑณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณ	7-1-10กดยเลดงเวลาการการกรา	0-675m04567544672m2601	Mandanananananananananan M

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 11 (47.48N/ 124.35W TO 47.35N/ 124.33W) MONTH

JAN FEB MAR APR MAY JUN JUL

MEAN 3.3 3.2 2.8 2.3 1.7 1.4 1.3 1.2 1.6 2.4 3.1 3.5

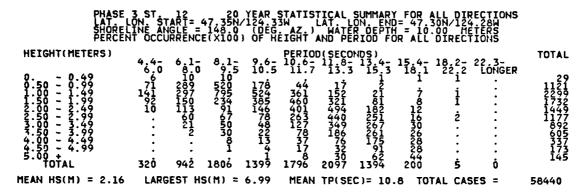
	JAN	FEB	MAR	APR	MAY	HÜL	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 R67890123456789012345	0400505405050504500055	M9-600454459904469-6047-6	85047497879949986678	69287621477447629155	カファロの4かいフィル・ロのいいいかかの かったいかったいのできないからないのできない。	างงาก6450งา140กงาก47-19 งางงางงางงากงากงางงางงางงากา	\$160099.12307-11105568	180194144006512595999	780057577124069788654	18745420560898275900	02497241410111931478 455555655656565656565	13722238092246569893 55565566556656656

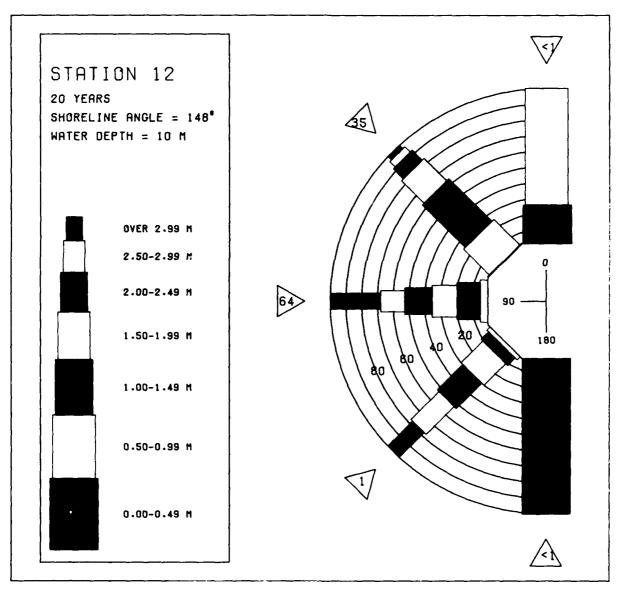
20 YR. STATISTICS FOR PACIFIC STATION 11 (47.48N/ 124.35W TO 47.35N/ 124.33W)

MEAN SIGNIFICANT WAVE HEIGHT MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (SECONDS) STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS) LARGEST WAVE HS (METERS)	20.3 10.0 90.1 2.5 7.0
WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	14:3 79:2 63102409

MEIGHT(HETERS)	PHASE WAVE A LAT SHOREL PERCEN	3 ST 12 PPROACH AN ON. STARTS INE ANGLE IT OCCURREN	20 YE GLE(RELAT 47.35N/1 = 148 0 ICE(X1000)	AR WAVE D IVE TO SH .24.33W .(DEG. AZ. OF HEIGH	IRECTION ORELINE I LAT. LON) WATER T AND PER	STATISTIC N DEGREES END= 47 DEPTH = 1 IOD BY DI	AL SUMMA 3 = 0 4.30N/124 0.00 ME RECTION	RY 28W TERS	
0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -									TOTAL
HEIGHT (HETERS)	0.49 - 0.49 - 1.49 - 1.99 - 1.500 - 2.99 - 2.99	6.0 8.	0 9.5 : :	10.5 11.	7 13.3	15,5 18.	1 22.2	LUNGER	0000
HEIGHT (HETERS)	3.50 - 3.99 4.00 - 4.49		:	: :	•			:	000
HEIGHT (HETERS)	5:00 + TOTAL	ė ė		 0 0	Ó	ė ė	à	Ö	ŏ
HEIGHT (METERS)		LARGEST	HS(M) = 0	. MEA	N TP(SEC)	= 0.	NUMBER O	F CASES =	. 0
0	PHASE WAYE A LATE L SHOPE PERCEN	3 ST. 12 PPROACH AN ON. START: INE ANGLE IT OCCURREN	20 YE GLE(RELAT 47.35N/1 = 148.0 ICE(X1000)						
0	_	4.4- 6.1 6.0 8.	ō 8,1-	9.6- 10.6 10.5 11.	OD (SECOND 7 13.3	S) 3.4- 15.4 15.3 18.	- 18.2- 1 22.2	22.3- LÖNGER	
250 - 2 - 29	0 0.49 0.50 - 0.99 1.00 - 1.49	352 352 1045 237	:		:		:	:	17 389 1282
PHASE 3 ST 12	1.50 - 1.99 2.00 - 2.49 2.50 - 2.99				:		:	:	564 18 0
PHASE 3 ST 12	3.00 - 3.49 3.50 - 3.99 4.00 - 4.49	:	:	: :	:		:		0
PHASE 3 ST 12	4.50 - 4.99 5.00 + TOTAL	1783 487	Ö		Ġ	ė ė	Ċ	O	8
HEIGHT (METERS) 4.4-6.1-8.1-9.6-10.6-11.3-13.4-15.4-18.2-22.3- 0.50-0.49 0.				.36 MEA	N TP(SEC)	= 5.6	NUMBER O	F CASES =	1329
HEIGHT (METERS) 4.4-0 6.1-0 8.1-5 9.6-5 10.6-5 13.5 4-15.4-18.2-2 2.3- 0.50-0.49 3703 2.440 70.09 4726 32.5-5 13.3 1.6-1 12.2-2 1.0 MGER 0.50-0.49 3703 2.440 70.09 4726 32.5-5 13.3 1.6-1 12.2-2 1.0 MGER 1.500-1.49 3703 2.440 70.09 4726 32.5-5 13.3 1.6-1 12.2-2 1.0 MGER 1.500-1.49 3703 2.440 70.09 4726 32.5-5 13.3 1.0 1.0 1.0 12.5-5 12.5-5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0									
PHASE 3 ST. 12 20 YEAR WAVE DIRECTION STATISTICAL SUMMARY WAVE APPROACH ANGLE (RELATIVE TO SHORELINE IN DEGREES) = 75.0 - 104.9 LAT. LON. START = 47.35N/124.33W LAT. LON. END = 47.30N/124.28W SHORELINE ANGLE = 148.0 (DEG. AZ.) WATER DEPTH = 10.00 METERS PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION HEIGHT(METERS) 4.4 - 6.1 - 8.1 - 9.6 - 10.6 - 11.8 - 13.4 - 15.4 - 18.2 - 22.3 - 6.0 8.0 9.5 10.5 11.7 13.3 15.3 16.1 22.2 LONGER 0.50 - 0.49 10 165 251 86 25 15.5 15. 15. 15. 15. 15. 15. 15. 15. 1	PHASE WAYE A LAT SHOREL PERCEN	3 ST. 12 SPPROACH AN START: SINE ANGLE IT OCCURREN	20 YE GLE(RELAT 47.35N/1 = 148.0 ICE(X1000)	AR WAVE D IVE TO SH 24 33W (DEG. AZ.	IRECTION ORELINE I LAT. LON) WATER T AND PER	STATISTIC N DEGREES END= 47 DEPTH = 1 100 BY DI	AL SUMMA 3= 45.0 300/124 0.00 ME RECTION	RY 74.9 2.28W TERS	
PHASE 3 ST. 12 20 YEAR WAVE DIRECTION STATISTICAL SUMMARY WAVE APPROACH ANGLE (RELATIVE TO SHORELINE IN DEGREES) = 75.0 - 104.9 LAT. LON. START = 47.35N/124.33W LAT. LON. END = 47.30N/124.28W SHORELINE ANGLE = 148.0 (DEG. AZ.) WATER DEPTH = 10.00 METERS PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION HEIGHT(METERS) 4.4-6.1-8.1-9.6-10.6-11.8-13.4-15.4-18.2-22.3- 6.0 8.0 9.5 10.5 11.7 13.3 15.3 16.1 22.2 LONGER 0.50-0.99 10 165 251 86 25 15.5 1.50-1.99 109 302 436 362 578 576 304 70 15 . 2019 1.50-1.99 109 302 436 362 578 576 304 70 15 . 2019 1.50-2.49 54 364 371 352 740 1134 763 66 15.2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3				AR WAVE D IVE TO SH 24.33W (DEG. AZ.) OF HEIGH 9.6-10.6	IRECTION ORELINE I LATER AND PER OD(SECOND 1 11.8	STATISTIC N DEGREES END= 47 DEPTH = 1 100 By DI 5)	AL SUMMA 2 45.0 3 30 124 0.00 ME RECTION	RY 74.9 128W TERS	TOTAL
HEIGHT (METERS) 4.4-6.1-8.1-9.6-10.6-11.8-13.4-15.4-18.2-22.3- 00.49 10.165 251 86 20 15.5 5 5 5 5 20 15.0 2019 1.00-1.49 1.00-1.49 1.00-2.49 1.00-2.49 1.00-2.49 1.00-2.49 1.00-2.49 1.00-3.49 1	HEIGHT(METERS) - 0.499 - 0.1949 - 1.229 - 1.2999 - 1.2999 - 1.3999 - 1.3999 - 1.499 - 1.499 - 1.499 - 1.499 - 1.499 - 1.499 - 1.499 - 1.500 -	4.4- 6.1 64- 6.1 343- 26740 373-	- 8.1- 9.5 4948 7408 1851 376 146 10	AR PER 16 . 4532999 . 37 . 3 . 4232999 . 3 . 3 . 423299 . 3 . 3 . 3 . 3 . 3 . 3 . 3 . 3 . 3 .	IRECTINE ON I LON	STATISTEE 7 STATISTEE 7 STATI	AL SUMMA 30N/124 0.00 Me RECTION 1 22.2 1 22.2	22.3- LONGER :	289 1065156 1063167 48147 48147 26283
1.00 - 1.49	HEIGHT (METERS) - 0.499 - 0.1999 - 12.999 - 12.999 - 22.9499 - 33.499 - 34.499 - 44.99 - 44.99 - 44.99 - 44.99 - 44.99 - 44.99 - 44.99 - 44.99 - 44.99	4.4- 6.1 6.0 107 334 2671 302 2440 34 487 34 487 34 147 3039 6661	8 1- 9 9 9 1 7 9 9 9 1 7 4 9 9 9 1 7 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9.6-5 11.6.6.6.5 12.6.5	OD (\$13.30 7 13.33 153850 12681451 1268246751 126826739 156826739 156866666666666666666666666666666666666	\$3.4.3 15.8 11.5.3 15.3 15.3.2 15.3.2 15.3.2 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3	1 18 2-2 1 22:2 1 :	22 3- LOHGER : : : : : : : :	289 193545 1936136 10748697 128147 26897 12814 2644
1.00 - 1.49	HEIGHT(METERS) - 0.49 0.50 - 0.49 1.500 - 2.49 2.500 - 2.99 2.500 - 3.49 2.500 - 3.49 2.500 - 4.49 5.00 + 4.49 TOTAL MEAN HS(M) = 1.89 PHASE WAYE A LATE OF THE PERCEN	4.4- 6.1 4.4- 6	8 1 - 5 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	PER 6 1 245099 9 1 2 2 3 2 2 3 2 2 3 2 3 2 3 2 3 2 3 2 3	OD 1 513 396504513390 6 C ON 1 136884504513390 6 C ON 1 127884504513390 6 C ON 1 12788450451390 6 C ON 1 12788450 6 C ON 1 1278850	15.68 167.70 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18.2-2 1 22.2 1	22.3- LONGER	28545 28545 1093612546 1093612547 406247 42624 41323
TOTAL 202 1345 2465 2166 3637 5185 7433 1313 81 0	HEIGHT(METERS) - 0.49 0.50 - 0.49 1.500 - 1.49 1.500 - 2.49 2.500 - 3.49 2.500 - 3.49 2.500 - 4.49 2.500 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 6	4.4- 6.1 6.0 8 3.34 2671 3.02 2790 3.26 790 3.4 147 . 22 . 1039 6665 LARGEST 1039 6665 LARGEST	0 9:5 49:48 1 74:09 43 18:576 1 14:6 10 1 14:886 11 HS(M) = 6 16:14:886 11 HS(M) = 6 16:14:886 11 HS(M) = 6	PER 6 1 245099 9 1 2 2 3 2 2 3 2 2 3 2 3 2 3 2 3 2 3 2 3	OD 1 513 396504513390 6 C ON 1 136884504513390 6 C ON 1 127884504513390 6 C ON 1 12788450451390 6 C ON 1 12788450 6 C ON 1 1278850	15.68 167.70 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18.2-2 1 22.2 1	22.3- LONGER	289 1096155 10961374 26
	HEIGHT (METERS) - 0.49 0.50 - 0.49 1.50 - 1.49 1.50 - 2.49 2.50 - 3.49 2.50 - 3.49 2.50 - 4.49 5.00 + 4.49 5.00 + 4.50 TOTAL MEAN HS(M) = 1.89 PHASE WAYE ALAT REIGHT (METERS)	4.4-6.1 4.4-6.1 4.4-6.1 2.64790 2.67790 2.7980 2.7980 3.302.4 4.4-6.1 3.30.9 6661 LARGEST 103.9 6661 LARGEST 3.51.CH AN 2.6780	0 9489 1431 9489 1431 1487 167 167 167 167 167 167 167 167 167 16	PERIO 1. 243999999999999999999999999999999999999	OD (\$13.390.50	53.1.1.2.1.1.2.1.2.1.2.1.2.2.1.2.2.2.2.2.	18.2-2 1 22.2 i i i NUMBER 0 3.75.24 8.25.300 18.25.25 15.300 1.21.300 1.21.300 1.30	22.3- LONGER 	99455667477344 8551316768766 22666128662442 1151155767274 111111 1 22333352211

PHASE WAYE A Lat Shorel Percen	3 ST. 12 PPROACH A ON. START INE ANGLE T OCCURRE	NGLE(REL) = 47.35N = 148.0 NCE(X100	YEAR WATTVE 1 124.33 (DEG	VE DIR TO SHOR SW L AZ) TEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIS N DEGR END= DEPTH IOD BY	TICAL EES)= 47.30 = 10.0 DIREC	SUMMAR) 105.0 - N/124.2 0 METE TION	134.9 28W RS	
HEIGHT(METERS)	4.4- 6. 6.0 8	1- 8,1- .0 9.5			(SECOND 11.8- 1 13.3					TOTAL
	229 27 1120 226 1 20 226 1 10 1 10 1 170 94	: 'í	1186 1369 1046 1019 493	104404000	130 209 37 188				: : : : : :	08905179230 29049493304 45653321
MEAN HS(M) = 2.90	LARGEST	HS(M) =	6.40	MEAN	TP(SEC)	= 8.	9 NUMI	BER OF	CASES =	1819
PHASE HAYE A LAYE SHOREL PERCEN	3 ST 12 PPROACH A ON. START INE ANGLE T OCCURRE	NGLE(REL = 47.35N = 148.0 NCE(X100							164.9 8W RS	
HEIGHT(METERS)	4.4- 6. 6.0 8	1- 8.1~ .0 9.5	9.6- 10.5	PERIOD 10.6- 11.7	(SECOND 11.8- 1 13.3	S) 3.4- 1 15.3	5.4- 1 18.1	2- 2: 22.2 i	3- ONGER	TOTAL
0.999999999999999999999999999999999999	133		å	· · · · · · · · · · · · · · · · · · ·			ċ			0839300000
MEAN HS(M) = 1.30		HS(M) =	•	•	TP(SEC)	-	_	-	CASES =	21
PHASE A LAYE A LAYE A SHORE PERCEN	3 ST 12 PPROACH A ON. START INE ANGLE T OCCURRE	NGLE(REL = 47.35N = 148.0 NCE(X100	YEAR WA ATIVE 1 124.33 (DEG.				TICAL SEES 1= 47.300 = 10.00 DIREC	SUMMAR) 165.0 - 1/124.2 0 METE TION	180.0 8W RS	
HEIGHT(METERS)	4,4- 6. 6.0 8	1- 8;1- 0 9.5	9.6- 10.5	PERIOD 10.6- 11.7	(SECOND 11.8- 1	S) 3.4- 1 15.3	5.4- 1 18.1	3.2- 22 22.2 1	3- ONGER	TOTAL
0.49 0.99 1.499 1.500 - 12.499 1.500 - 3.499 1.500 - 3.499 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 + 1.500 TOTAL MEAN HS(M) = 0.			: : : : :	: : : : :	: : : : : : :			· · · · · · · · · · · · · · · · · · ·	: : : : : : : : : : : : : : : : : : :	00000000000





MIS STATION 12 (47.35N/ 124.33W TO 47.30N/ 124.28W)
MONTH

	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	97944756408004400709	ของคราย เล่า จะการการการการการการการการการการการการการก	57-4110801510017-47-6-1-199-03	99681887119797449997	754666999667295469774	422222224762000000004650	104210911110001209	1911110274010111131510	456623565266565748	<u> </u>	มองการการการการการการการการการการการการการก	9463-18445452-16592070	NOOMITHOUSENSON
MEAN	3.2	3.0	2.6	2.1	1.5	1.3	1.1	1.1	1.4	2.2	2.9	3.4	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 12 (47.35N/ 124.33W TO 47.30N/ 124.28W)

HTHOM

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R6789012345678901234 E9555666666678901234	719273014735799280	6100000094470565041	พกจ-เกเลยจะสาสสนท์เกยพง ชากสาสสนาสสนท์เกยพง	ののいろうかのいろうしょうしゅう	ง	610740164778716127	2121111112211211111222	21111221221211221222	4861-เกษๆ-เลษตรงเกราง-เ	8411998480800000000000000000000000000000	758643171467221569622	200110500209780896 556655676565666466

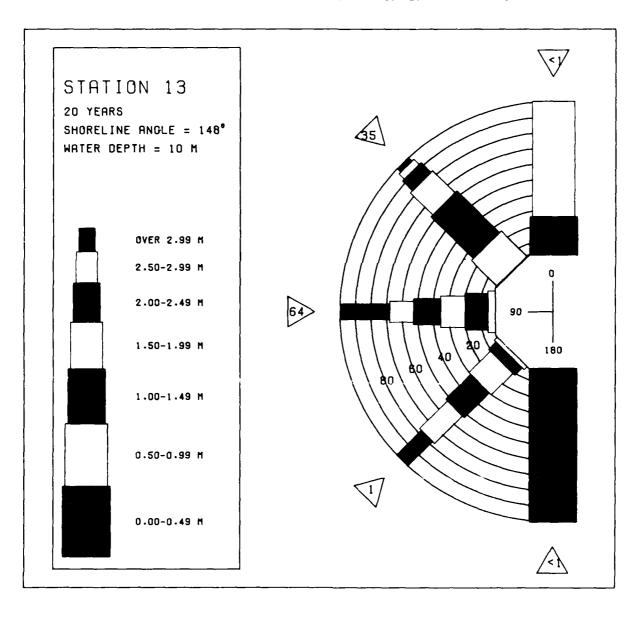
20 YR. STATISTICS FOR PACIFIC STATION 12 (47.35N/ 124.33W TO 47.30N/ 124.28W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2.2
MEAN SIGNIFICANT WAVE HEIGHT MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	10.8
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND : (DEGREES)	60.0
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	1.1
STANDARD DEVIATION OF WAVE TP (SECONDS)	۲.۶
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS (METERS)	16:7
AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	¥5. Ų
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	63122215

PHASE MAYE A LAT OR EL PERCEN	3 ST. 13 IPPROACH AN ON. START= INE ANGLE IT OCCURREN	20 YEAR GLE(RELATIV 47.33N/124 = 148.0 (DI CE(X1000) O	WAVE DIR TO SHOR 28W (G. AZ.) HEIGHT	ECTION ST ELINE IN AT LON WATER DE AND PERIO	ATISIICA DEGREES) END= 47. PTH = 10 D BY DIR	L SUMMA 23N/124 200 ME ECTION	RY - 14.9 †ERS	
HEIGHT(METERS)	4,4- 6,1 6.0 8.	0 8.1 9.0 9.5 10	PERIOD	(SECONDS)	4- 15.4-	18,2-	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	6.U 8.			13.3 15		22.2 : : : : :	CONGER	0000000000
MEAN HS(M) = 0.	LARGEST	HS(M) = 0.	MEAN	TP(SEC) =	0. N	UMBER O	F CASES =	: 0
		GLE(RELATIV GLE(RELATIV - 1.30N/124 - 1.40 (D) CE(X1000) O					RY - 44.9 †ERS	TOTAL
HEIGHT(METERS)	4.4- 6.1 6.0 8.	8.1- 9.0 9.5 10	5 10.6- 5 11.7	(SECONDS) 11.8- 13. 13.3 15	4- 15.4- 3 18.1	18.2-	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	4.4- 6.1 6.0 8. 17 1052 37 1055 237 369 195			:		•		179 1882 15644 180 000
4.50 - 4.99 5.00 + TOTAL	1783 487	Ò	 	Ġ		ċ	Ď	Ö
MEAN HS(M) = 1.30		HS(M) = 2.3	-	TP(SEC) =	•	-	F CASES =	1329
PHASE WAVE L LAT L SHOPE PERCEN	3 ST. 13 RPPROACH AN OM. START= INE ANGLE IT OCCURREN	GLE(RELATIV GLE(RELATIV 47.30N/124 148.0 CE(X1000)	WAVE DIR TO SHOR 26W L G AZ 1	ECTION ST ELINE IN AT. LON. WATER DE AND PERIO	ATISTICA DEGREES) END= 47. PTH = 10 D BY DIR	L SUMMA = 45.0 23N/124 00 ME ECTION	RY 	
PHASE WAVE A LAT: SHORE PERCEN HEIGHT(METERS)			WAVE DIR TO SHOR 26W L GAZ: HEIGHT - PERIOD	ECTION ST ELINE IN AT. LON WATER DE AND PERIO (SECONDS) 11.8-13.	ATISTICA DEGREES) END = 47 END = 10 D BY DIR	L SUMMA 25.0 23N/124 00 ME ECTION	RY 74.9 23W TERS	TOTAL
HEIGHT (METERS)	4.4- 6.1 64- 107 333 26410 326 7994 3. 147 		HAVE 5H OD TR 10 TO TO TO TO TO TO TO TO TO TO TO TO TO	STATE OF STA	ATIGR = 1 1.8 .2083163001 TIGR = 1 1.8 .2083163001 ADENTH B 1 1.32.77.72 1.32.33.23.105.05.05.05.05.05.05.05.05.05.05.05.05.0	18.2- 22:2	RY 74.9 	TOTAL 2899 109555 109561377 4860277 266277 266277 266277
HEIGHT (METERS) 0.499 0.7999 1.799 1.799 2.799 2.799 2.799 3.799	4.4- 6.1 6.0 107 333 26740 326 2440 326 4790 34 489 147 . 22 	8 1 - 9 0 9 5 5 1 0 9 6 4 169 7 409 4 349 1851 1 349 147 1 36	PER 6-7 11:-4259999919999999999999999999999999999999	11 136826524 11 136826524 11 136826524	4-3 15.8 2083163001 15.8 2083163001 17.2 77.2 77.2 77.2 77.2 77.2 77.2 77.2	18:2- 22:2 : : : : :	22 3- LÔNGER : : : : : : : : : :	285176 285176 20566167473 1096616866848 11177486848
HEIGHT (METERS) 0 - 499 1 - 999 1 - 999 1 - 999 2 - 999 2 - 999 2 - 999 3 - 999 4 - 999 4 - 999 5 - 00 - 4 - 499 5 - 00 - 4 - 499 5 - 00 - 4 - 499 5 - 00 - 4 - 499 TOTAL MEAN HS(M) = 1.89	4.4- 6.1 6.0 107 333 2671 302 2440 326 7490 324 484 1 122 	8 1- 9.5 9 5 10 4948 169 7409 472 1851 348 376 104 147 30 10 14886 1136	PER 6-7 11 2-3299 12 2-3299 12 2-3299 13 77 3 1 13 77 3 1 14 2 MEAN 15 CHAPTER 10 15 C	111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4-3 16.8 .20831637001 N	18.2- 22.2 : : i : : i	22.3- LONGER	285174566 28566128662474734 1117747314 2876612862474 2876624 287664 2876624 287662 287664 287664 287664 287664 287664 287664 287664 287664 287664 287664
HEIGHT (METERS) 0.499 0.499 1.500 - 1.2499 2.500 - 2.499 2.500 - 3.499 4.500 - 4.99 4.500 - 4.99 5.00 - 4.99 5.00 - 4.99 EAN HS(M) = 1.89 PHASE WAYE SHOREE HEIGHT (METERS)	4.4-0 6.1 4.4-0 107 3143 22 4740 326 27490 34 1472 1472 1472 1039 6661 LARGEST 1 AN PPRO START= 1 PPRO	8 1 - 9 0 9 5 1 69 7 7 1 69 7 1 69 1 7 2 1	PER 6-7 11 2-3299 12 2-3299 12 2-3299 13 77 3 1 13 77 3 1 14 2 MEAN 15 CHAPTER 10 15 C	111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4-3 1511 210831630001 1511 210831630001 7 7 7 7 7 1E44 1R 1523310505052 10 7 1GR = 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18:2- 22:2 i i i 1 1 1 25:24 25:24 25:24 27:24 28:27 28:27	22.3- LONGER	2859 1096156 10961374 2861374 286934 262464 21323 21323
HEIGHT (METERS) 0 - 499 1 - 999 1 - 999 1 - 999 2 - 999 2 - 999 2 - 999 3 - 999 4 - 999 4 - 999 5 - 00 - 4 - 499 5 - 00 - 4 - 499 5 - 00 - 4 - 499 5 - 00 - 4 - 499 TOTAL MEAN HS(M) = 1.89	4 6 6 6 1 1 3 N = 1 6 2 3 2 2 4 4 0 1 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	8 1- 90 9 5 10 4948 169 7409 348 376 104 147 30 10 14886 1136 HS(M) = 6.4 GLE(RELATIV) 47,30N/124 = 148.0 (00 CE(X1000) 0	10-7 10-7 10-7 10-7 10-7 10-7 10-7 10-7	5 1 1 124165165 = 1 124165165	4.8.2083163001 N AS OR 11 11 21 11 11 21 21 21 21 21 21 21 21	18.2-2 1.2.2 1.2.2 1.2.3 1.3.5 1	22.3- LONGER 	945-667-473-44 85-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1

	3 ST 13 PPROÀCH ANG ON. START= INE ANGLE = T OCCURRENC	20 YEA LE(RELATI 47,30N/12 148.0 E(X1000)				ICAL SUMM ES)= 105. 47.23N/12 10.00 M DIRECTION	ARY 0 - 134.9 4.23W ETERS	
HEIGHT(METERS)	4.4~ 6.1~ 6.0 8.0	8.1- 9 9.5 1	PERIO 6- 10.6- 0.5 11.7	11.8-1 13.3	5) 3.4- 15	8.4- 18.2- 8.1 22.2	22.3- LÖNGER	TOTAL
0:50 - 0:49 0:50 - 0:99	8 20	•	· · · · · · · · · · · · · · · · · · ·	13.3	;		LUNGER	28 28
1.00 ~ 1.49	8 20 71 119 213 20 266 1 263	56 171	li i		:	: :	:	400 400
2.50 - 2.99 3.00 - 3.49	8 20 110 213 120 2663 1 2663 1 1602	6 171 186 189 116 117	36 104 19 124	1 <u>i</u> 13	:		:	691 547
99999999999999999999999999999999999999	: 11	17	1044404902 108691114902 10460114902 10460114902	130 247 37 138	6 1 13	: :	:	2905179230 2904949304 4565321
- 0.499 - 1.999 - 1.999 - 1.999 - 1.999 - 2.33,499 - 2.33,499 - 3.999 - 3.999	170 946		93 582	138 138	13	Ö Ö	Ċ	⁻ 40
MEAN HS(M) = 2.90	LARGEST H	S(M) = 6.	40 MEAN	TP(SEC)	= 8.9	NUMBER	OF CASES =	1819
	3 ST 13 PPROÁCH ÁNG OH. START= INE ANGLE = T OCCURRENC	20 YEA LE(RELATI 47.30N/12 148.0 (E(X1000)						
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8,1- 9 9.5 1	PERIO 6- 10.6- 0.5 11.7	D(SECOND 113871	5) 3,4- 15	.4- 18.2- 8.1 22.2	22.3- LONGER	TOTAL
0. 0.50 - 0.49		:	: :	:	:	: ::	·	9
1:50 - 1:49 2:00 - 2:49	13 6	•	•	:	:	:	•	13
2.50 - 2.99 3.00 - 3.49 3.50 - 3.99	: :	•	: :	•	:	:	•	0
		:		:	:	: :	:	08393000000
ŤOŤAL	24 9	Ġ	Ò Ö	Ö	Ċ	ó ó	Ġ	•
MEAN HS(M) = 1.30	LARGEST H	S(M) = 2.	30 MEAN	TP(SEC)	= 5.3	NUMBER	OF CASES =	21
	3 ST 13 PPROACH ANG ON, START= INE ANGLE = T OCCURRENC	20 YEA LE(RELATI 47.30N/12 148.0 E(X1000)				ICAL SUMM ES)= 165. 47.23N/12 10.00 M DIRECTION	ARY 0 - 180.0 4.23W ETERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8,1- 9 9.5 1	PERIO 6- 10.6- 0.5 11.7	113.3	\$) 3 ₆ 4- 15	.4- 18.2- 8.1 22.2	22.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 0.99	: :	7.3 I	: ::	:	:	: ::	CONSER	0
1.00 - 1.49 1.50 - 1.99 2.00 - 2.49	: :	:	: :	•	:	: :	:	9
- 0 - 499 - 0 - 1 - 299 - 1 - 1 - 299 - 1 - 1 - 299 - 1 - 1 - 299 - 1 - 1 - 299 - 1 - 1 - 299 - 1 - 299 - 1 - 299 - 2 - 299 - 2 - 299 - 2 - 299 - 3 - 4 - 3 - 299 - 4 - 4 - 5 - 299 - 5 - 299 - 7 - 299 -		•	: :	•	•	: :	•	00000000000
4:00 - 4:49 4:50 - 4:99		•		:	:	: :	:	ŏ
TOTAL	å å	Ò	Ö Ö	Ò	Ò	Ò Ò	Ò	0
MEAN HS(M) = 0.	LARGEST H	S(M) = 0.	MEAN	TP(SEC)	= 0.	NUMBER	OF CASES =	0

PHASE LAT. L SHOREL PERCEN	3 ST 1 ON STAR INE ANGL IT OCCURE	13 T= 47.30N LE = 140.0 RENCE(X100	/124.28	STATIS SW AZ EIGHT	TICAL S LAT LO WATER AND PER	SUMMARY DH. END R DEPTH RIOD FO	FOR A = 47.2 = 10.	LL DIR 3N/124 00 ME DIRECT	ECTIONS 23W TERS TONS	
HEIGHT(METERS)	4,4- 6	5,1- 8,1-	9,6-	PERIOR)(\$EÇO	13.4-	15,4-	18.2-	22.3-	TOTAL
0 0.49 0.50 - 0.99 1.00 - 1.49	6.0 71 141	8.0 9.5 10 10 289 520 297 795	10.5 178 524 385	11.7 44 361	13.3 17 152	15.3 2	18 _i 1	22 i i	LÖNGER	29 1121 2299
1.50 - 1.99 2.50 - 2.49 2.50 - 2.99	141 2 92 1 10 1	150 234 113 91	385 146 78	361 460 401 263 127	321 494 440	81 182 251	12 16	ī ż	:	1732 1449 1177
3.00 - 3.49 3.50 - 3.99 4.00 - 4.49 4.50 - 4.99	•	21 50 30 30	123	78 37 17	349 186 76	267 261 175	26 28 28	•	•	605 337 173
5.00 + TOTAL	320 9	942 1806	1399	1796	2097	1394	200	5	ó	145
MEAN HS(M) = 2.16	LARGES	ST HS(M) =	6.99	MEAN	TPISE	c)= 10.	8 TOT	AL CAS	ES =	58440



WIS STATION 13 (47.30N/ 124.28W TO 47.23N/ 124.23W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 85555666666666777777 E9599999999999999	0.00417.00-1082004405.709	00404m610607071117970717	N745000151507476449909	99681087119797443937	75466655567255465774	HANNANA MANANA M	10401091700010797009	191111027401011111111111	45.6625.65266565728	NONDAMANANANANANANANANANANANANANANANANANAN	1984 - 174-18847 299-15-15-15-15-15-15-15-15-15-15-15-15-15-	94654645454515594670 4555555555555555555555555555555555555	NOOBILLOUGHADIBAUU459 EURONOUNUNUNUN NUNUNUNUL M
MEAN	3.2	3.0	2.6	2.1	1.5	1.3	1.1	1.1	1.4	2.2	2.9	3.4	

LARGEST HS(METERS) BY MONTH AND YEAR

HIS STATION 13 (47.30N/ 124.28H TO 47.23N/ 124.23H)

MONTH

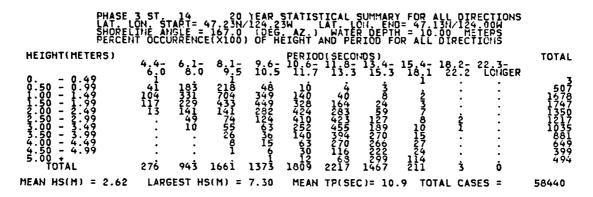
1958 5.9 5.0 3.9 5.8 2.4 2.0 2.3 1.8 2.6 4.1 4.8 (R APR MAY JUN JUL AUG SEP OCT NOV DEC
19622 54 65 65 66 7 66 7 66 7 66 7 66 7 66 7	101-1047-101-101-101-101-101-101-101-101-101-10

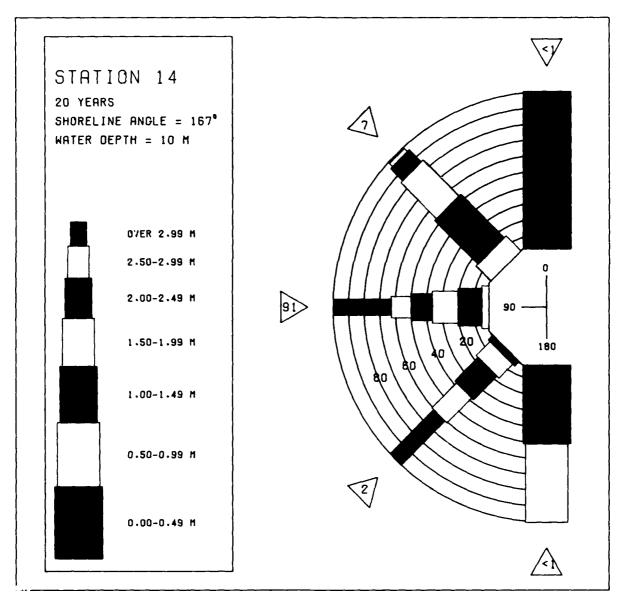
20 YR. STATISTICS FOR PACIFIC STATION 13 (47.30N/ 124.28W TO 47.23N/ 124.23W)

	4 Y . V
HEAN PEAK HAYE PERTOD (CENTER) DIRECTION BAND (SECONDS) STANDARD DEVIATION OF HAYE HS STANDARD DEVIATION OF WAVE TP LARGEST WAVE HS (METERS) (METERS)	10.8 60.0 1.1 2.5
MAVE TO ASSOCIATED WITH LADGEST WAVE US (SECONOS)	7.0 16.7 82.0

	PHASE AF	ST PROACH PROACH STA NE ANG OCCUR	14 ANGLE PT= 47 LE = 1 RENCE(20 YE (RELAT 23N/1 6700	AR WAY IVE TO 24.231 OEG.	VE DIRE SHORE AZ) EIGHT A	CTION S LINE IN T. LON WATER IN ND PER	STATIS N DEGR END= DEPTH IOD BY	TICAL EES)= 47.13 = 10.0 DIREC	SUMMAR 0 N/124 0 ME1 TION	14.9 .00W TERS	
HEIGHT (MET				8.1- 9.5	9.6- 10.5	PERIOD(10.6- 1	SECOND: 1.8- 1 13.3	5) 3.4- 1 15.3			22 3- LONGER	TOTAL
+ AL 000000000000000000000000000000000000	9	:			:			:	:	:	•	00000000000
1.50 - 3.4	9	:	•		:	:		:	:	:	:	00
3.50	3 9 9	:	:		:		:	:	:	:	:	00
7.50 - 7.5 5.00 +	ý	: ń	: ò	ò	Ċ	Ö	Ö	Ö	Ö	Ò	Ò	ŏ
MEAN HS(M)	= 0.	LARGE	ST HS	-	•	MEAN 1	rp(SEC)	= 0	. หบา	1BER O	F CASES =	0
	PHASE WAYE A	3 ST PPROACH	14 1 ANGLI	20 Y	EAR HA TIVE T 124.23	VE DIRI O SHORI	ECTION ELINE I IT. LON WATER AND PER	STATI N DEG	STICAL REES)= 47.1	SUMMA 15.0 3N/124	RY . อูดูฟู	
	SHOREL FERCEN	THE AND	RENCE	167.00 181000	DEG.	EÎGĤŤ	MATER AND PER	ICD B	Y DÎRÊ	CTION	IEKS	TOTAL
HEIGHT(ME		4.4- 6.0	6,1- 8.0	8 j 1 -	9.6- 10.5	PERIOD 10.6- 11.7	SECO:10 11.8-1 13.3	3.4- 15.3	15.4- 18.1	18.2- 22.2	22.3- LONGER	0
00111000000000000000000000000000000000	49 23	212	17 51	:	:	:	•	:	:	:	•	Ť
2.00 - 2.	99 49 40	73	51 :	:	:	:	:	:	:	:	:	224000000
3.50	49 99 49		:	:	:	:	:	:	:	:	•	ŏ
0011122mm44 L	9 9	28 5	68	Ö	Ò	Ò	Ò	Ö	Ó	Ò	ò	Ö
MEAN HS(M)	= 1.43		EST HS	(M) =	1.97	MEAN	TP(SEC) = 5	.5 NU	MBER C	F CASES =	209
	PHASE WAVE A LAT. SHOREL PERCEN	3 ST PPROAC ON. ST INF AN	14 H ANGL ART = 4 IGLE = IRRENCE	20 20 27 23 167 0 (X100	EAR W	AVE DIR TO SHOR SH (AZ.) HEIGHT	ECTION ELINE AT. LOS MATER AND PER	STATI IN DEG N. END DEPTH RIOD B	STICAL REES)= = 47.1 = 10. Y DIRE	SUMMA 45.0 3N/124 00 NE CTION	RY 74.9 	
HEIGHT(ME				A 1-	EAR W. 1174 2 124 2 10 0F 1	AVE DIR TO SHOR 3H Z HEIGHT PERIOD 10,65	ECTION ELINE AT LOS WATER AND PER (SECON)	STATI IN DEG N ENO DEPTH PIOD B				TOTAL
	TERS) 4999999999999999999999999999999999999	4.4-0 6.3 349 7894 90 	6 8 36613555 · · · · 66	8.1-5 9.15 1216 12874 17079 1402 291 	9.6.5 19.54 19.59 12.59 12.59 10.72 29.70 10.72	PER 6.7 1347 1347 1337 1339612 1339612 4584	SECO-3 11.3.7 377998500038 117783718 417783718	13.5 .62056779563 12.11 9	15.4-ī 18.1	18:2- 22:2 : : : : : :	ZZ 3- LONGER	43148241759 96249583855 96249583855 276421
00-1-202177744 00-1-202177744 00-00-00-00-00-00-00-00-00-00-00-00-00-	TERS) 49 99 99 99 99 99 99 99 99	4.4-0 6.3 349 7894 90 	6 8 36 135 55 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	8.1-5 9.15 1216 12874 17079 1402 291 	9.6.5 19.54 19.59 12.59 12.59 10.72 29.70 10.72	PER 6.7 1347 1347 1337 1339612 1339612 4584	(SECON: 11.8- 13.3	13.5 .62056779563 12.11 9	15.4-ī 18.1	18:2- 22:2 : : : : : :		43148241759 96249583855 96249583855 27842176 41
00-1-2021-2-4 4 L	TERS) 49 49 99 99 99 99 99 99 99 99 99 99 99	4.4-0 133 781 994 	6 1-0 8-0 1136 1136 1136 1136 1136 1136 1136 113	8 0 1 - 5 1 1 2 1 6 2 1 7 0 6 3 7 4 0 2 2 7 1 4 2 2 7 1 6 4 3 8 5 (M) =	9.6-5 10.5-1 12.7-6 13.7-6 13.7-6 2.8-7 3.00 2.8-7 3.00 3.9-3-2 6.24	PER 100 10.6-7 497 10392 18963 205 205 4584 MEAN AVE SHO HEIGHT	111 396747690938 EC ON OR OR OR OR OR OR OR OR OR OR OR OR OR	14.5 4.5 20567779563 1211 9 = ATENT	15.4- 16.1 	18.2- 22.2	DF CASES	278248241759 968495953855 278421 278421 163 264595941 2164555 264559
001-12233444 500000-1-1-122334445 500000-1-1-122334445 MEAN HS(M)	TERS) 49 49 49 49 49 49 49 49 49 49 49 49 49	4 - 4 - 0 1 - 3 2 - 2 2 - 3 4 - 2 2 - 2 3 - 3 4 - 3 4 - 3 4 - 3 4 - 3 4 - 3 4 - 3 4 - 3 4 - 3 4 - 3 4 - 3 4 - 3 5 - 3 6 - 3 6 - 3 7 - 3 8	6 8.0 8.0 1366 1366 1366 1366 1366 1366 1366 136	8 9 1-5 206 1 207 1 207 1 207 1 207 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20	9.6.5.46000772 8300	PERIOD 16-7 10332332332332332332332332332332332332332	111 36747637128 SEC CO. 12747637128 SEC CO. 12	14.5 4.5 20567779563 1211 9 = ATENT	15.4- 16.1 	18.2- 22.2	DF CASES	276244824 276244824 41559325559 1 16 3 2 5
001-12233444 500000-1-1-122334445 500000-1-1-122334445 MEAN HS(M)	TERS) 4999 4999 1.91 PHAYERS PHAYERS 1.9299999999999999999999999999999999999	4 - 4 - 0 1 - 3 2 - 2 2 - 3 4 - 2 2 - 2 3 - 3 4 - 3 4 - 3 4 - 3 4 - 3 4 - 3 4 - 3 4 - 3 4 - 3 4 - 3 4 - 3 4 - 3 5 - 3 6 - 3 6 - 3 7 - 3 8	6 8.0 8.0 1366 1366 1366 1366 1366 1366 1366 136	8 9 1-5 216 216 1267046 177046 29 1	15 124600700 · ·2 4 W NG	PED 1 47823052 4 ME DIO 1 10-7 128931662205 12 8 MAIG P 10 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6	11 36174783712 0 C C C C C C C C C C C C C C C C C C	4 · . 62056779563	1510 4-1 	18.2-2.2	LONGER	431448244759 5 168249583855 2 278421 41 3 278421 41 3 16 TO SUBSTRATE

PHASE WAYE A LAT SHOREL PERCEN	3 ST. 14 PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIVI 47.23N/124 167.0 (DI E(X1000) DI				ICAL SUMM ES)= 105. 47.13H/12 10.00 M DIRECTION	ARY 0 - 134.9 4.00W ETERS	
HEIGHT(METERS)	4,4- 6,1-	8.1~ 9.6 9.5 10	FERIOR - 10.6- 5 11.7	11.8-1 13.3	(§) 3.4- 19 15.3 1	.4- 18.2- .8.1 22.2	22.3~ LONGER	TOTAL
0 0.49 0.50 - 0.99 1.00 - 1.49	3 59 39 162 15 177 1027	•		:	:	: :	:	9 112
2.50 - 2.49	15 177 . 102	155 8 184 13	169 169	.6 44 4	: :	: :	• •	467 632
0.50 - 0.49 0.50 - 1.99 1.500 - 12.99 2.500 - 2.99 3.500 - 3.49 3.500 - 4.99 4.500 + 4.99 TOTAL		44 777 1584 1623 253 253	10 10 10 10 10 10 10 10 10 10 10 10 10 1	45522227 11427	37 183 183 134		:	03277239087 13465994711 134654322
	57 530	723 47	L 944	558		i ò	Ö	
MEAN HS(M) ≈ 3.25	LARGEST H	S(M) = 7.30) MEAN	TP(SEC)	= 10.1	. NUMBER	OF CASES =	2012
PHASE A WAY. LI SHOREL PERCEN	3 ST 14 PPROÀCH ANG DN. START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIVE 47.23N/124 167.0 (DE E(X1000) DE						
HEIGHT(METERS)	4.45 6.15 6.0 8.0	8.1- 9.6 9.5 10	PERIOT - 10.6- 5 11.7	11.8-1 13.3	(S) 3.4- 15 15.3	.4- 18.2- .8.1 22.2	22.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 1.49 1.500 - 1.99 1.500 - 2.499 2.500 - 2.499 3.500 - 3.49 3.500 - 4.49 4.500 - 4.99 TOTAL	i 5 8 10 8 17	:		•	:		:	1 18
1.50 - 1.79 2.00 - 2.49 2.50 - 2.99		5		:	:	: :	· •	11
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99				:	:		:	6851000000
	17 39	-	ò ò	Ö	ò	Ö Ö	Ġ	•
MEAN HS(M) = 1.56	LARGEST H	S(M) = 2.39	+ MEAN	TP(SEC)	= 6.5	NUMBER	OF CASES =	38
PHASE WAYE A LAYE A SHOPEL PERCEN	3 ST 14 PPROÀCH ANG CN. START= INE ANGLE = I OCCURRENC	20 YEAR LE(RELATIVI 47.23N/124 167.0 (DI E(X1000) O				ICAL SUMM ES)= 165. 47.13N/12 10.00 H DIRECTION	ARY 0 - 130.0 4 00W ETERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6 9.5 10	PERIOT - 10.6- 5 11.7	0(SECOND 11.8-1 13.3	(S) 3.4- 15 15.3 1	3.4- 18.2- 8.1 22.2	22.3- LÖNGER	TOTAL
0 0.49 0.50 - 0.99 1.00 - 1.49	: :	:		:	:	: :	:	000
- 0.499 - 0.499 - 0.499 - 1.223 - 1.5500 - 1.223 - 1.499 - 1.5500 - 1.5500	: :	:		:	:	: :	: :	030000000
3.50 - 3.57 3.50 - 3.49 4.50 - 6.67		:		•	:		:	0000
FOTAL		Ö (ò	ċ	Ġ	 Ò Ò	ò	ŏ
MEAN HS(M) = 0.	LARGEST H	S(M) = 0.	MEAN	TP(SEC)	= 0.	NUMBER	OF CASES =	0





HIS STATION 14 (47.23N/ 124.23H TO 47.13N/ 124.20H)

•	_	٠	•	-		
П	u	т	•		п	

	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	MOV	DEC	
R67890123456789012345 E5555666666666677777777 11111111111111111	move endamental entropy and en	mount dutum double and dutum double	POLICICIALISTATION POLICISTATION POLICISTATI	いるからいっというというとうというとうというというというというというというというというという	2117222411112111121112	のいういいいのつついっというのいらてしてい	42000000000000000000000000000000000000	M-4-CAM-HO-ACAM-A-HA-HA-HA-HA-HA-HA-HA-HA-HA-HA-HA-HA-H	68995679959069708161	เหมลดองจอนเหลาจากลดองอเทษตองอ	NAMO TA HOUSE PROPOSITION OF THE	6-14005000000057-157945	Note 6 6 6 6 17 7 7 15 7 15 6 15 6 00 7 7 9 6 7 15 15 15 15 15 15 15 15 15 15 15 15 15
MEAN	3.8	3.7	3.2	2.6	1.9	1.6	1.4	1.3	1.8	2.8	3.6	4.0	

LARGEST HS(METERS) BY MONTH AND YEAR

HIS STATION 14 (47.23N/ 124.23M TO 47.13N/ 124.20M)

MONTH

	HAL	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC
R678901233456789012345 455556666666666777745 171711111111111111111111111111111	45840455555070505054766764	ผิดเกอาเดาสะจะกายการจองจะ	#1472M6784W61417616	+94942040+0082mm++98	CHANGE CONTRACTOR CONT	าเกาะคอดความสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสา	4180000-11497-14094700	West of the test of the state o	าเก็ม-4-0-00 จะพากงเลยของ - เก็ย จะพาการแก้งสามารถพาการเก็ย	\$44500007454554455445554	การการการการการการการการการการการการการก	17442741345813083247 656665676666657757766
17/3	D.1	D. C	0.1	4.0	2.2	Z.I	1.7	2.U	1.0	4.4	0.9	<i></i>

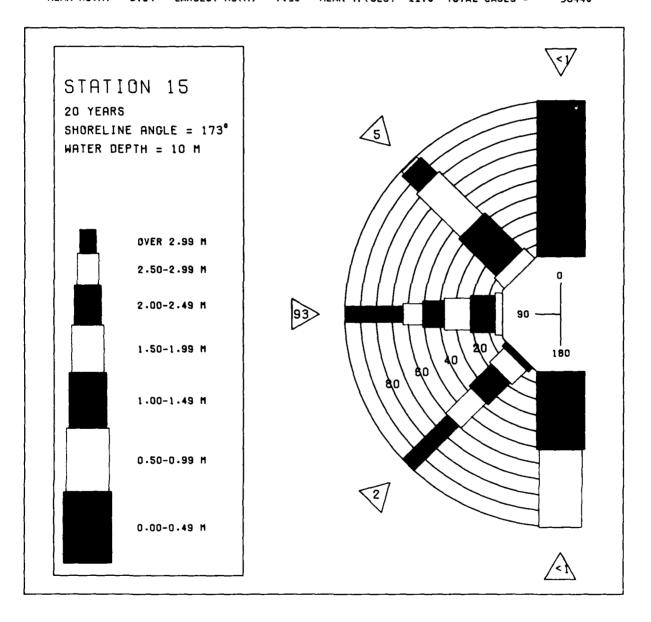
20 YR. STATISTICS FOR PACIFIC STATION 14 (47.23N/ 124.23W TO 47.13N/ 124.20W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2 4
	10.9
MEAN PEAK HAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND : : (DEGREES)	90. 0
STANDARD DEVIATION OF WAVE HS	7.5
LARGEST WAVE HS (METERS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS)	_ 7:3
WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	14.3
NATE OF LARGEST HS OCCURRENCE IS (YR.MO.DA.HP) 13 (DEGREES)	63102405

PHASE WAYE LATT FEB WAYE FEB WAYE LATT FEB WAYE LATT FEB WAYE LATT FEB WAYE LATT FEB WAYE LATT FEB WAYE LATT FEB WAYE LATT FEB WAYE LATT FEB WAYE LATT FEB WAYE LATT FEB WAYE LATT FEB WAYE LATT FEB WAYE LATT FEB WAYE LATT FEB WAYE LATT FEB WAYE LATT FEB WAYE LATT FEB WAYE LATT FEB W	APPROACH ANGILON STARTS (LINE ANGLE STARTS (LINE ANGLE STARTS (LINE ANGLE STARTS (LARGEST HS	8,1- 9,6- 9,5 10.5 : : : : : : : : : : . : . : . :		0 0 0		TOTAL 0000 0000 0000 0000 0000
PHASE LATORED WAVE	APPROACH ANGLE = 11 OCCURRENCE 11 OCCURRENCE 12 OCCURRENCE 131			0 0 0	AL SUMMARY 15.0 - 44.0 0 1.0 1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	TOTAL 0 132 71 0 0 0 0
	3 ST 15 APPROACH ANGLE LINE ANGLE LINE ANGLE LINE ANGLE LINE ANGLE LINE ANGLE LINE ANGLE LINE ANGLE LINE ANGLE LINE ANGLE LINE ANGLE LINE ANGLE LINE ANGLE LINE ANGLE LARGEST HE	20 YEAR W ERELATIVE 17.13N/124.EG 17.13000) OF 8 1.5 10.5 17.5	NDS) 13.4- 15.4: 15.3 18.: 1		TOTAL 1976 1885-13887 1886-1359737 1973771	
PHASE HAVE CELL CONTROL OF THE PERCENT OF THE PERCE	267 4026 1	20 YEAR WE 26 RELATIVE 20 YEAR WE 27 YEAR WE 26 RELATIVE 20 YEAR WE 26 RELATIVE 20 YEAR WE 27 YEAR	PER 100 (\$E.6.3 10.6-11.3 10.6-11.3 10.6-11.3 10.6-11.3 10.6-13.3 10.6-	15.00 15.00 15.00 16	AL SUMMARY 104. 01N/124 18W 10.00 HETERS RECTION 18 2- 22 3- 10 22.2 LÖNGER 18 2- 22 3- 10	752644235142 001400690444 110096690444 1100966534

PHASE A WAYE A LATE SHOREL FERCEN	3 ST. 1 PPROACH ON. STAR INE ANGL T OCCURR	ANGLE(RE 173 E = 173 ENCE(XI	YEAR W LATIVE IN/124.2 0 (DEG 100) OF				ICAL SUMM ES)= 105 -7.01N/12 -10.00 DIRECTION	MARY 0 - 134.9 15TERS	
HEIGHT(METERS)	4.4- 6	8.1- 8.1 8.0 9.	5 9.6- 5 10.5	PERIOD: 10.6-	SECOND	§) 3.4- 15 15.3	.4- 18.2 8.1 22.	22.3- LONGER	TOTAL
	15 15 22 1 	83 111 98 123 94 214 22 147 22 147 23 874	6197 115975758853 573	305 305 2446 1471 1045	11 710 1655 1680 861				06519711826 150803960 246765500
MEAN HS(M) = 3.09	LARGES	T HS(M)	≈ 7.12	MEAN 1	(P(SEC)	= 10.1	NUMBER	OF CASES =	2368
	3 ST 1 PPROACH ON STAR INE ANGL T OCCURS	5 ANGLE (RE T = 47.13 ENCE (XI	YEAR W LATIVE N/124.2 0 (DEG					1AR1 0 - 164.9 16 TERS	
HEIGHT(METERS)	4.4- 6	a1- 8,1	5 9.6- 5 10.5	PERIOD: 10.6-	SECOND 13.3	S) 3.4- 15 15.3	.4- 18.2 8.1 22.	22.3- LONGER	TOTAL
- 0.49 0.50 - 0.49 1.50 - 1.22 1.50 - 1.22 1.50 - 1.22 1.50 - 1.49 1.50 - 1.49 1.50 - 4.99 1.50 - 4.99 1.50 - 4.99 1.50 - 4.99 1.50 - 1.50 - 4	i 6 3	10 10 10 10 10 10 10 10 10 10 10 10 10 1				i i			17434000000
MEAN HS(M) = 1.52		ST HS(M)		MEAN .	TP(SEC)	•	-	OF CASES =	38
	3 ST. 1 PPROÀCH DN. STAR INE ANGL T OCCURR	5 ANGLE(RE T = 173 ENCE(XI	YEAR W LATIVE N/124 2 0 (DEG					1ARY 10 - 180.0 16 16W 16 16RS	
HEIGHT(METERS)	4.4- 6	8.0 9.1	- 9.6- 5 10.5	PERIOD:	SECOND 13.3	§) 3.4- 15 15.3	4- 18.2 8.1 22.	22.3- LONGER	TOTAL
0.49 0.50 - 0.49 0.50 - 1.29 0.50 - 1.29 0.50 - 2.39 0.50 - 3.49 0.50 - 4.99 0.50 - 4.90 0.50 - 4.90	: : : : : : :	Ó (ST HS(M)	ó			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	Ö OF CASES =	000000000000000000000000000000000000000
HEART HUTTI - V.	CARGES	, 113(11)	- v.	LICAIL	11 (366)	- 0.	HOIDER	OI CASES -	•

FHASE LAT: L SHOREL PERCEN	3 ST ON ST THE AND IT OCCU	ART = 4 GLE = RRENCE	20 7.13N 173.0 (X100	/124 21	STATIST OH AZ ÈIGHT	LAT. 11	SUMMAR) DN. END P. DEPTH RIOD FO)= 47.0	118/126	RECTIONS	
HEIGHT(METERS)	4,4-	6 _{.0} 1-	8,1 ₋	9.6- 10.5	PERIOR 10.67	13.3 13.3	NDS) 13.4- 15.3	15.4- 18.1	18.2- 22.2	22.3- LONGER	TOTAL
- 0.499 - 0.9499 - 1.9499 - 1.2499 - 1.500 - 2.499	101 123 16	175 327 225 148	210 687 450 144 76	4327 3455 327 328	9 127 329 429 429	4827 15827 2072 472	? ? 23 55 122	1 1 4 7	: : 2	:	4820 1623 1758 1378
3.50 - 3.49 3.50 - 3.49 4.50 - 4.99 5.00 - 4.99	: : : 280	10 : 927	48 23 7 1	14 14 1372	264 136 645 121 1816	472 398 285 121 64 2229	164 271 271 228 311 1476	105 125 117 214			1050 879 666 405 505
MEAN HS(M) = 2.64		EST HS		7.36	MEAN	TP(SE		. TOT	AL CAS	SES =	58440



HIS STATION 15 (47.13N/ 124.20W TO 47.01N/ 124.18W)

MONTH

	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	MOA	DEC	
R67800123456789012345 R55156666666666777777 E9999999999999999	moustantantantantantanin	mouth tanthammattannamn	PHILIPPINA STANDARD S	NUMBER OF THE STATE OF THE STAT	201000011111211121121212	85,45,66,68,765,25,65,65,65,65	ליים היים היים היים היים היים היים היים	M-4-04-150-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	12411241414422412124241	งคงงานการการการการการการการการการการการการการก	nnnammammammamamam	62401600009852167945	Zh+co-oononningooo- Earannannannannannannann E
MEAN	3.8	3.7	3.2	2.6	1.9	1.6	1.4	1.3	1.8	2.8	3.6	4.0	

LARGEST HS(METERS) BY MONTH AND YEAR

MIS STATION 15 (47.13N/ 124.20H TO 47.01N/ 124.18H)

HTHOM

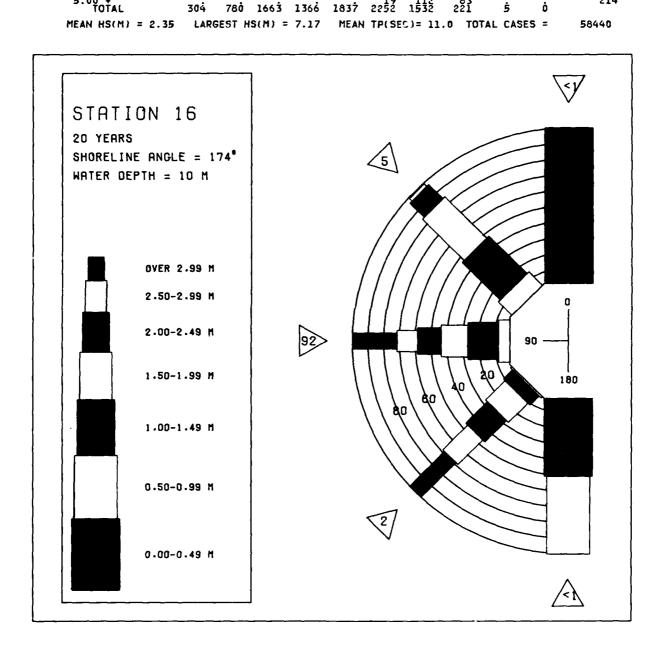
	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 455256666666666777777 E999999999999999	99699999999999999999999999999999999999	9007749994190070009000000000000000000000	HO4146464444444666441	194447m4444m664646466	การการเกาะการการการการการการการการการการการการการก	7.50.6.6.7.0.7.0.7.4.7.4.7.0.7.4.7.0.7.4.7.0.7.4.7.0.7.4.7.0.7.4.7.0.7.4.7.0.7.4.7.0.7.4.7.0.7.4.7.0.7.4.7.0.7	1509010900117407545047000 000000110000001100000000000000000	ราคงเอเลงา-เกงเกงเกงเกงเกงเกงเกงเกงเกงเกงเกงเกงเกงเ	าเกอยกองอาการแลงขอบอยส จากกระทรงแกรกการจากกระทรงเส	9679074400774441074	N90000700000000000000000000000000000000	65000507000057705705

20 YR. STATISTICS FOR PACIFIC STATION 15 (47.13N/ 124.20M TO 47.01N/ 124.18M)

MEAN SIGNIFICANT WAVE HEIGHT	2.6
MEAN PEAK HAVE PERIOD MOST FREQUENT 30.0 DEGRÉE (CENTÉR) DIRECTION BAND (SECONDS) STANDARD DEVIATION OF HAVE HS (SECONDS) STANDARD DEVIATION OF HAVE TP (SECONDS)	11.0
STANDARD DEVIATION OF WAVE HS (METERS)	71:3
STANDARD DEVIATION OF HAVE HS (METERS) STANDARD DEVIATION OF HAVE TP (SECONDS)	1.3 2.5 7.4
LANGES! WAYE 15 THE LEGISLE OF THE LEGISLE	14.4
LARGEST WAYE HS WAYE TP ASSOCIATED WITH LARGEST WAYE HS AYERAGE DIRECTION ASSOCIATED WITH LARGEST WAYE HS DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	83.6
DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	63102409

PHASE WAYE LAT SHORE PERCE	3 ST. 16 APPROACH ANG LOM. START= LINE ANGLE = NT OCCURRENC	20 YEAR W LE(RELATIVE 47.01N/124.1 174.0 E(X1000) OF	AVE DIRECTION TO SHORELINE 8W LAT LO 4Z) WATER HEIGHT AND PR	N STATISTICA IN DEGREES) ON EMP 46. R DEPTH = 10 ERIOD BY DIR	L SUMMARY 93N/124.18W 100 METERS ECTION	9
HEIGHT(METERS)	4;4- 6;1-	8,1- 9,6-	PERIOD(SECO			TOTAL
001-1-1-2-1-3-4-9 001-1-1-2-1-3-1-4-9 001-1-1-1-2-1-3-1-4-1-3-1-4-1-4-1-4-1-4-1-4-1-4-1-4		7.5 10.5				8000000000
5.00 + TOTAL	Ò Ò	ò ò	Ó Ġ	å å	å å	•
MEAN HS(M) = 0.	LARGEST H	5(M) = Q.	MEAN TPISE	C) = 0. N	UMBER OF CASES	= 0
	3 ST. 16 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC	20 YEAR W LE(RELATIVE 47.01N/124.1 174.0 (0EG E(X1000) OF	AVE DIRECTION TO SHORELINE 8W LAT LO HEIGHT AND PO			
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8,1- 9,6- 9.5 10.5	PERIOD(SECO) 10.6-11.8- 11.7 13.3	13.4- 15.4- 15.3 18.1	18.2- 22.3- 22.2 LONGER	TOTAL
99999999999999999999999999999999999999	140 3 83 17 8 10			: :		24080000000
4:00 - 4:49 4:50 - 4:99 5:00 +						ŏ
TOTAL MEAN HS(M) = 1.47	251 30 LARGEST H	0 0 5(M) = 2.36	0 0 MEAN TP(SE	Ó Ó C) = 5.4 N	Ó Ó IUMBER OF CASES	
PHASE HAVE LAT SHOPE PERCE	3 ST. 16 APPROACH AND LON. START= LINE SNGLE = NT OCCURRENC	20 YEAR W LE(RELATIVE 47.01N/1241 1740 (DEG E(X1000) OF	AVE DIRECTION TO SHORELINE BU LAT L WAZ N HEIGHT AND P	N STATISTICA IN DEGREES) END= 460 R DEPIGO BY DIR	L SUMMARY = 45.0 74. 93N/124.16H 1.00 METERS ECTION	9
HEIGHT(METERS)	4,4- 6,1-	8,1= 9,6= 9,5 10.5	PERIOD(SECON 10.6- 11.8- 11.7 13.3	105) 1364- 1564-	18.2- 22.3- 22.2 LONGER	TOTAL
99999999999999999999999999999999999999	4.4-0 6.1-0 4.5-0 1149 9055 11995 10695 17188 4.5-0 1466 1.5-0 146	8.1- 9.5- 10.5- 989 15-5 24333 15-5 24333 15-5 24333 17-7 25-5 13-6 17-7 35-7 11	235 10 3479 12077 2459 12077 2460 307 260 476	19.5 10.1	. EELE LUNGER	12696800770 26521 26521
		1 1		: :	: :	6
TOTAL MEAN HS(M) = 1.63	2534 5237	5082 2603	6 47 1 6 2827 693 MEAN TP(SE	: : 0 0 C) = 8.5 N	: : Ö Ö IUMBER OF CASES	
MEAN HS(M) = 1.63 PHASE HAVE LATE SHORE FERCE	2534 5237 LARGEST H APPROACH AMG LON. STARTE LINE AMGLE E NT OCCURRENC	5082 2603 S(M) = 4.75 LE(RELATIVE 47,01N/124 174.0 (DEG E(X1000) OF	2827 693 MEAN TP(SECTION TO SHORELINE ON LATIL HEATS AND ANTE	C) = 8.5 N N STATISTICA IN DEGREES! ON END= 46 R DEPTH = 10	UMBER OF CASES L SUMMARY 575.0 - 104. 93N/124.18W 600 METERS	= 11105 9
MEAN HS(M) = 1.63	2534 5237 LARGEST H 3 ST 16 MG LON. START= NT OCCURRENC 4.4- 6.1- 6.0 40 37 773 27 607 17 177 177 177 22 125 1855	5082 2603 S(M) = 4.75 LE(RELATIVE 1774) 1010/12/12/12/12/12/12/12/12/12/12/12/12/12/	2827 693 MEAN TP(SECTION TO SHORE LINE LINE LINE LINE LINE LINE LINE LIN	C) = 8.5 N N STATISTE = 1 STEE 46 10 N IN DEDT BY 1 STATISTE = 1 STEE 46 10 N IN DEDT BY 4 1 STEE 46 10 N IN DEDT BY 4 1 STEE 46 10 N IN DEST BY 1 STEE	NUMBER OF CASES	= 11105 9 TOTAL 1026624750757 126146150830 12614615080 12614615080 12614615080 12614615080 126146080 126

PHASE AR HAVE AR LAT SHOREL PERCENT	ST PROACH N. STA NE ANG OCCUR	16 RT= 47 LE = 1 RENCE(20 1 (RELA .01N/ 74.0 X1000			ECTION ELIHE I AT LON WATER AND FER		TICAL REES)= 46.93 = 10.60	SUMMAR 105.0 N/124 0 MET	Y - 134.9 184 ERS	
HEIGHT(METERS)	4.4- 6.0	6.1- 8.0	8,1- 9,5	9.6- 10.5	PERIOD	(SECOND 11.8- 1 13.3	\$) 3.4- 1 15.3	15.4- 1 18.1	8.2- 2	2.3- LÖNGER	TOTAL
- 0.49 0.50 - 1.49 1.500 - 1.299 1.500 - 1.299 2.500 - 2.349 2.500 - 3.49 3.500 - 4.99 3.500 - 4.99 5.00 + 4.99 5.00 + 4.59	4-0 15830 10 · · ·	34 148 1495 1495 1495 1495 1495 1495 1495 1495	15 1849 227430 122221 1308	122770532 1122770532 75	23091740655 12362 12362 12362	1100991462 405571462	10 10 10 10 10 10 10 10 10 10 10 10 10 1	:	:	:	15523402945 6961172345 3689853115
4.00 - 4.49 4.50 - 4.99 5.00 +	:	:	:	25 8 1	90 46 5	171 54 66	34 71	1 10 12	:	•	339 144 153
TOTAL MEAN HS(M) = 2.83	97 LARGE	650 1 St HS(.133 M) = (742 TP(SEC)			0 IBER OF	O CASES ≃	2870
						ECTION ELINE I AT LON WATER AND PER					2070
HEIGHT(METERS)		6,1- 8.0	8 9.5			(SECOND 11.8-1 13.3		15.4- 1 18.1		2.3- LONGER	TOTAL
- 0.49 - 0.49 - 0.49 - 1.99 - 1.29 - 1.29 - 1.29 - 1.29 - 1.29 - 23 - 24 - 25 - 23 - 24 - 25 - 25 - 25 - 25 - 25 - 25 - 25 - 25	6.0	8.0	9.5	10.5	11.7	13.3	15.3	18.1	22.2	LONGER	06171300000
5.00 + TOTAL	39	49	Ö	ò	Ö	ò	ò	Ó	Ò	Ö	0
		ST HS(EAR WA TIVE T 124.18 (DEG.) OF H	VE DIE O SHOE W 2 JEIGHT	TP(SEC)	STATIS N DEGI END: DEFIH IOD BY			CASES = Y	54
HEIGHT(METERS) 0 0.49 0.50 - 0.99 1.500 - 1.49 2.500 - 2.49 2.500 - 2.99 3.500 - 3.49 3.500 - 3.49 4.500 - 4.49 5.00 + 10TAL	4,4- 6.0 :	6 8 . 0 : : :	8,15 9.5 :	9.6- 10.5	PERIOD 11.7	11.8-1 13.3	§) 35.3	15.4- 1 18.1 :	8 2- 2 22.2 :	2.3- LONGER	TOTAL
3.00 - 3.49 3.50 - 3.99 4.50 - 4.49 4.50 - 4.99 5.00 + TOTAL MEAN HS(M) = 0.	LARGE	St 1:5(; ; o m) = 1		ó MEAN	Ö TP(SEC)		: : : о пин .	: ; ō !BER OF	: : : : : CASES =	00000



WIS STATION 16 (47.01N/ 124.18W TO 46.93N/ 124.18W)

					MUNI	Н						
JAN	FEB	MAR	APR	MAY	HUL	JUL	AUG	SEP	OCT	NOA	DEC	
2.8 2.4 4.1	2.9 2.7 3.5	2.7 3.0 2.7	2.2 2.2 3.0	2.0 1:7	1.6	1.3	1.2	1.5	2.3	2.7 3.2 3.1	3.0 3.7 3.8	

R67690123456789012345 E599999999999999999999999999999999999	84-17-4-8-0 ซึ่งเก็บได้	บานานานานานานานานานานานานานานานานานานาน	20762969749679441120	00000000000000000000000000000000000000	2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	6mm4m4m47480mm44446070	mainym-mainmanningung40	NOMANTA CONTRACTOR OF THE PROPERTY OF THE PROP	56874566747747688949	20000000000000000000000000000000000000	- การเกาะการการการการการการการการการการการการการก	07855-456055867797481	Tanuanannanannannannannannan Hannanannannannannannannannan Hannannannannannannannannannannannannann
MEAN	3.3	3.2	2.8	2.3	1.7	1.4	1.3	1.2	1.6	2.5	3.2	3.6	

LARGEST HS(METERS) BY MONTH AND YEAR

HIS STATION 16 (47.01N/ 124.18H TO 46.93N/ 124.18H)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 A5555566666666777777 E99999999999999999	ณฑอกอกจะกุณสอกลณฑลง 646666กระบางคุณภาษณฑลง	พ ค ค ค ค ค ค ค	45444454455454545454545454545454545454	500-1007-15-15-45-17-8 54647-17-54-54-54-54-4-4-4-4-4-4-4-4-4-4-4-4-4-	המחויהמטממית שהממוחמית מוויים של מוויים של מוויים של מוויים של מוויים של מוויים של מוויים של מוויים של מוויים	กระบางการการการการการการการการการการการการการก	15-1801-1901-14-1-80-1-1001-1-1001-1-1001-1-1001-1-1001-1-1001-1-1001-1-1001-1-1001-1-1001-1-1001-1-1001-1-100		707949 16 17 149 70 67 68 4 15 15 15 15 15 15 15 15 15 15 15 15 15	25866591770792505100	45666475566456665666	17434121703215150287997 5555655566666666666656

20 YR. STATISTICS FOR PACIFIC STATION 16 (47.01N/ 124.18H TO 46.93N/ 124.18H)

HAVE TP ASSOCIATED WITH LARGEST WAVE AS (SECONDS)	ICANT WAVE HEIGHT	90 1 2 16 87
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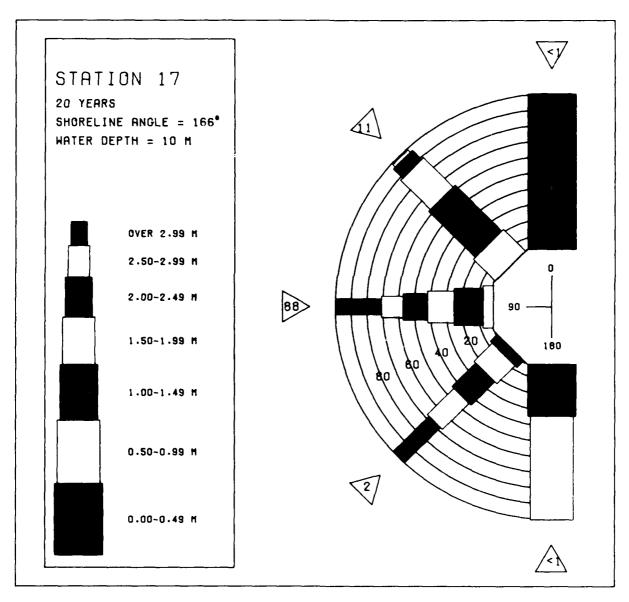
PHASE WAVE LAT SHORE PERCE	APPROACH LON. STA LINE ANG NT OCCUR	17 ANGLE RT= 46 LE = 1 RENCE(20 Y (RELA ,90N/ X1000	TEAR WA TIVE T 124.15 (DEG.	VE DIR O SHOP NAZ JEIGHT	ECTION ELINE AT LO WATER AND PE	STATI	STICAL REES) = 46.7 = 10.	SUMMA 0 8N/124 00 ME CTION	PY 111W TERS	
HEIGHT(METERS)			8 ₉ 1-		PERIOD 10.6- 11.7			15.4- 18.1		22.3- LONGER	TOTAL
99999999999999999999999999999999999999	76.0 :	8.0	9.5	10.5	11.7	13.3	15.3	18.1	22.2	LONGER	0000000000
4.50 - 4.99 5.00 + TOTAL	Ö	Ö	Ö	Ö	Ò	Ò	Ġ	Ò	Ö	Ö	0
MEAN HS(M) = 0.	LARGE	ST HS(M) =	0.	MEAN	TP(SEC	2) = (). N	IMBER O	F CASES =	0
PHASE WAYE LAT SHORE PERCE HEIGHT(METERS)	3 ST APPROACH LON. STA LINE ANG NT OCCUR	17 ANGLE RT= 46 LE = 1 RENCE(20 Y (RELA .90N/ .6600						SUMMA 15.0 78N/124 00 ME CTION		TOTAL
		6.1- 8.0	8,1-	9.6 10.5	PERIOD 10.6- 11.7	13.3	15.3	15.4 ₁	18.2- 22.2	22.3- LONGER	
99999999999999999999999999999999999999	32 379 227 15	107 25 :	•	; ; ; ;	:	:	:	:		:	30934 19934 19934
3.30 - 3.43 4.50 - 4.99 5.00 + TOTAL	:	:	:	:	:	•	:	:	:	:	Ö
TOTAL MEAN HS(M) = 1.50	653 LARGE	143 St HS(0 M) =	0 2.39	0 MEAN	O TP(SEC	0 ! = (:	0 5.5 NU	O JMBER O	U F CASES =	468
							•				
	3 ST APPROACH LCN STA LINE ANG NT OCCUR			EAR WA TIVE T 124-15 (DEG.	VE DIR O SHOR SW Z) BEIGHT	ECTION ELINE AT LO WATER AND PE	STATI IN DEC DI. END P DEPTH ERIOD E	STICAL REES): 1 = 46.7 1 = 10. SY DIRE		RY - 74.9 †ERS	
HEIGHT(METERS)				EAR WA TIVE T 12466 0 OF H	PERIOD 10.6- 11.7	ECTION ELINE AT LO WATER AND PE (SECON 113,3	STATI IN DEC DI. END P DEPTH ERIOD E	STICAL REES): 1 = 46.0 1 = 10. 3 DIRE		RY -1 74.9 †ERS 22.3- LONGER	TOTAL
	4-0 4-0 4-0 4-0 4-0 4-0 4-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1	6 8 75 3 1 8 4 7 5 5 6 4 9 6 1 8 3 6 3 6 1 8 4 7 5 5 5 6 4 9 6 1 8 3 6 6 4 9 6 1 8 6 4 9 6 1 8 6 4 9 6 1 8 6 4 9 6 1 8 6 4 9 6 1 8 6	8 925433 10.5433 257316821 ·	EAR WATE 15. 12. 12. 12. 12. 12. 12. 12. 12. 12. 12	PER IO0 11.7 1659 1696 1697 1697 1697 1697 1697 1697 169	SE 3 66474415886 11 3 66474415886 3726073 11073	STATI IN DEC DI. END P DEPTH ERIOD E	STICA(REES) = 46.7 46.7 Y DIRE			
HEIGHT (METERS)	4.4-0 3.20 4483 12 78722 1 5.0 	6 8 7 24 1 6 8 7 6 4 8 7 6 4 8 7 6 4 8 7 6 8 8 7 6 8 8 8 8 8 8 8 8 8 8 8 8 8	8.1~5 9.54331 257386821 237	# TE H TE H TE H TE H TE H TE H TE H TE	PER IO0 11.7 1659 1696 1697 1697 1697 1697 1697 1697 169	SE 3 1647744158853 3 724697315 7 111073 1	TATE OF THE PARTY	15.4- 18.1 : : : :	18 2- 22:2 : : :		TOTAL 95644341152159 9321269174559 9321369174559
HEIGHT (METERS) 0 .499 - 01.499 0 .500 - 1.4299 11.500 - 1.4299 11.500 - 1.4299 11.500 - 1.4299 11.500 - 1.4299 11.500 - 1.4299 11.500 - 1.4299 11.500 - 1.4299 11.500 - 1.4299 11.500 - 1.4299 11.500 - 1.4299 11.500 - 1.4299 11.600 1	4.4-0 4.6-2 4.6-2 4.6-2 5.6-2 5.6-2 1 2171 6	6 1 - 0 6 2 7 6 8 7 2 6 8 3 7 7 8 7 7 8 7 5 18 0 9	8 .1 .5 9 224433 1224433 168821	WATE- ARVA EG H - 6 1077957301 - 6 0 42097867301 - 6 6 3 3 WATE- - 10 4097867301 - 6 6 3 3 WATE- - 10 4097867301 - 6 6 6 7 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PER 100 1 1 659 1 759 1 759	CH 3 164744158853 S IN THE CH AND THE CH AND THE CH AND THE CH AND THE CHARACTER AND	ST A DECIDIO 1 - 3 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	15.4- 18.1 	18.2- 22.2 	22.3- LONGER : : : : : :	TOTAL 95644341152159 9321269174559 9321369174559

MEAN HS(M) = 2.59 LARGEST HS(M) = 7.10 MEAN TP(SEC) = 12.0 NUMBER OF CASES = 33211

HEIGHT(METERS)	ST. 17 PROACH ANG IN. START= INE ANGLE = F OCCURRENCE 4.4- 6.1- 6.0 8.0			RECTION RELINE LAT LOI HATER AND PEI D(SECONI 113.3		TICAL SI EES) = 10 46.79N = 10.000 DIRECT 5.4- 18 18.1	UMMARY 05.0 - 134. /124.11W METERS ION .2- 22.3- 2.2 LONGER	9 TOTAL
0.49 0.500 - 1.49 1.500 - 1.299 1.500 - 2.499 2.500 - 3.499 3.500 - 4.99 3.500 - 4.99 4.500 + 4.99	5.0 8.0 5.0 290 5.0 120 6.0	9.5 10 10 10 10 10 10 10 10 10 10 10 10 10 1	· · · · · · · · · · · · · · · · · · ·	13.3 	15.3 	18.1 2:	2.2 LUNGER	0440M000M044 400M0000044 04M10000044
MEAN HS(M) = 2.99	LARGEST H	S(M) = 6.6		TP(SEC		9 NUMB	ER OF CASES	= 2386
PHASE AF WAYE AF LAT SHOREL PERCENT	ST. 17 PPROACH ANG DN. START= INE ANGLE = T OCCURRENCE	20 YEAR LE(RELATIV 45.90N/124 166.0 (D E(X1000) 0				TICAL SI EES) = 1 46.78N = 10.00 DIRECT	UMMARY 35.0 - 164. /124.11W METERS ION	9
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8,1- 9, 9.5 10	PERIO 6- 10.6- 5 11.7	11.8- 13.3)5) 13.4- 1 15.3	5.4- 18 18.1 2	.2- 22 3- 2.2 LONGER	TOTAL
- 0.49 - 0.99 1.50 - 1.49 1.500 - 1.49 2.500 - 2.33 2.500 - 2.33 2.500 - 4 2.500	163 3 22 15 3 3 	; ; ; ; ;						06678300000
MEAN HS(M) = 1.64	LARGEST H	S(M) = 2.9	7 MEAN	TP(SEC) = 5.	9 NUMB	ER OF CASES	= 43
PHASE AF HAVE AF LAT SHOPEL PERCENT	3 ST. 17 PPROACH ANG ON. START= INE ANGLE = I OCCURRENC	20 YEAR LE(RELATIV 46.93N/124 166.0 (D				TICAL SI EES) = 10 46.78N = 10.00 DIRECT	UMMAPY 65.0 - 180. /124.11W METERS ION	0
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8.1- 9.	PEFIO 6- 10.6- 5 11.7	D(SECO. 1 113.3	13.4~ 1 15.3	5.4- 18 18.1 2	2- 22 3- 2.2 LONGER	TOTAL
50000000000000000000000000000000000000	· · · · · · · · · · · · · · · · · · ·					: : : : : : : : d		00000000000
MEAN HS(M) = 0.	LARGEST H	S(M) = 0.	MEAN	TP(SEC) = 0.	NUMBI	ER OF CASES	= 0

PHASE 3 ST. 17 20 YEAR STATISTICAL SUMMARY FOR ALL DIRECTIONS LAT. LON. START = 46.90N/124.15W LAT. LON. FND= 46.78N/124.11W SHOPELINE ANGLE = 166.0 (D2G. AZ.) WATER DEPTH = 10.00 TETERS PERCENT OCCURRENCE(X100) OF HEIGHT AND PERIOD FOR ALL DIRECTIONS

PERCEN	1 0000	KKENCE	(YTOO)	Ur nt	ileni A	ATIU PE	KIOD PO	K ALL L	INECI	TONS	
HEIGHT(METERS)	4,4-	6,1-	8,1-	9.6- 10.5	PERIOD 10,6-	(SECON	13.4-	15.4- 1	18,2-	22.3- LONGER	TOTAL
0.500 - 23.49 2.500 - 23.49 2.500 - 23.49	52 117 124 10	2079 1508 1000 111	9 3 3890 3890 3997 3955	10.5	23 266 266 498 305 176	13 i 93 95227 2448	15.3 2 169 127 221 290	18 i 1 5 9 9 14 21		LURGER	774 7756 2777 21777 12617
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	306	802	10 3 1674	13 2 1368	82 30 1830	268 127 37 23 2237	312 252 150 102 1521	24 26 31 77 217	: : 6		710 229 203
MEAN HS(M) = 2.32	LARG	EST HS	(M) =	7.10	MEAN	TP(SE	c)= 11.	O TOTA	AL CAS	ES =	58440



WIS STATION 17 (46.90N/ 124.15W TO 46.78N/ 124.11W)
MONTH

	JAN	FEB	MAR	APR	MAY	NUL	JUL	ÁUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E452556666666666677777 E4525566666666666777777	941648680094HIBB179HI	975mm48mounoumm4mmmmou	797-6291007-49-67-9770777711	ณณาแนนการการการการการการการการการการการการการก	27-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Incommos 6480-mgmgmgm77-1	מוואל מוויים מוויים מוויים מוויים מוויים מוויים מוויים מוויים מוויים מוויים מוויים מוויים מוויים מוויים מוויים	2022374485474444444444	56873566747747687949	ณฑรกรรณการเกราะกรรณ เพาะกรรณการเกราะกรรณการเกราะกรรณการเกราะกรรณการเกราะกรรณการเกราะกรรณการเกราะกรรณการเกราะกร	7	のうのにいっているのはないのうというできません	2001/กษากับกระทวการบนเกิด 4 4 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
MEAN	3.3	3.2	2.8	2.3	1.7	1.4	1.3	1.2	1.6	2.4	3.2	3.6	

LARGEST HS(METERS) BY MONTH AND YEAR

HIS STATION 17 (46.90N/ 124.15H TO 46.78N/ 124.11H)

MONTH

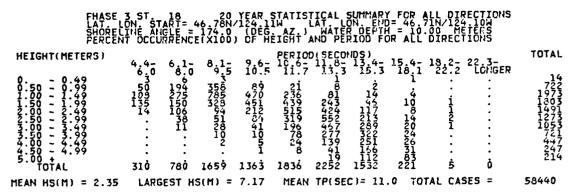
	MAL	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC
Y111790123456789012345 R67890123456789012345	6450505505505505050550	พทกเกอกสองสามาสามากองเกอ	444m44h4m4444ho4ho4	MONOTONOMOTA SINGSON	สา-เลยเกาอองจากจาสเกรากาก กระการและสาราชานายการ	งคนงานงานงานงานงานงานงานงานงานจาก จากการการการการการการการการการการการการกา	いっこうとうこうこうこうこうこうこうこうこうこうこうこうこうこうこうこうこうこうこ	18018476400720440710	000049-#	1165547784848448448448	45556475564456665665	5645510000000000000000000000000000000000

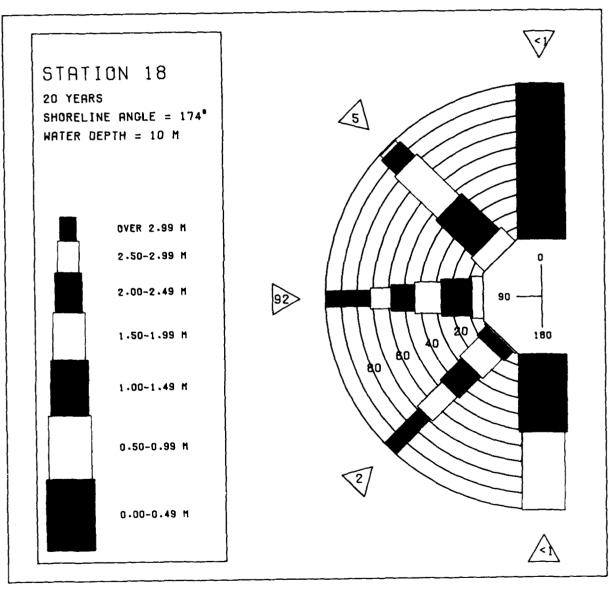
20 YR. STATISTICS FOR PACIFIC STATION 17 (46.90N/ 124.15H TO 46.78N/ 124.11H)

MEAN SIGNIFICANT MAYE HEIGHT	12.3
MEAN PEAK WAVE PERIOD MOST FREQUENT 30 0 DEGREE (CENTER) DIRECTION BAND . (DEGREES) STANDARD DEVIATION OF WAVE HS (METERS)	9 0: 0
STANDARD DEVIATION OF WAVE TP (SECONDS)	2 :5
WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS)	16:7
AVERAGE DIRECTION ASSOCIATED WITH LARGEST HAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	62111915

PHASE WAVE SHOPE PERCE	3 ST 18 APPROACH AN LON. START: LINE ANGLE INT OCCUPREN	20 YEA GLE(RELATI = 46.73N/12 = 174.0 (CE(X1000)	R WAVE DIE VE TO SHOP 4.11W (DEG. AZ.) OF HEIGHT	ECTION ST ELINE IN AT. LON HATER DE AND PERIO	ATISTICA DEGREES) END= 46. PTH = 10 D BY DIR	L SUMMAR 0071N/124. 71N/124. 60710N	Y - 10W ERS	
HEIGHT(HETERS)	4.4- 6.1 6.0 8	6.0 9.5 9	PERIOD 6- 10 6- 0.5 11.7	(SECONDS) 113.3 15	4- 15.4- .3 18.1	18 2- 2 22.2	2.3- LONGER	TOTAL
99999999999999999999999999999999999999				:			:	0000000000
5.00 + TOTAL	ó (Ò Ò	 0 0	Ō	 Ò Ò	å	Ö	Ŏ
MEAN HS(M) = 0.	LARGEST	HS(M) = 0.	MEAN	TP(SEC) =	0. N	UMBER OF	CASES =	0
	3 ST. 18 APPROACH AN LON. STAFFE LINE ANGLE NT OCCUPREN	20 YEA GLE(RELATI GLE(78N/12 = 174 0 (NCE(X1000)						
HEIGHT(METERS)	4,4- 6,1	1- 8,1- 9 0 9.5 1	PERIOD 6- 10.6- 0.5 11.7	11.8- 13. 13.3 15	4- 15.4- 18.1	18.2- 2 22.2	2 3- LONGER	TOTAL
99999999999999999999999999999999999999	171 165 17 17			:				23.67500000 1793
4.50 - 4.99 5.00 +		· ·	: : ò ù	: ŏ	: : à à		:	000
TOTAL MEAN HS(M) = 1.55	376 5! Largest	5 0 HS(M) = 2.	•	TP(SEC) =	•	Ö UMBER OF	CASES =	254
PHASE WAYE LAT: SHOCE	3 ST 18 APPRDACH AI LON START LINE ANGLE NT OCCURREN	NGLE(20 YEA NGLE(RELATI = 46.75N/12 = 1.760 NCE(X1000)	R WAVE DIR VE TO SHOP 4.11W (DEG. AZ.) OF HEIGHT	PECTION ST PELINE IN AT. LON. WATER DE AND PERIO	ATISTICA DEGREES) END= 46. PTH = 10 D BY DIR	L SUMMAR = 45.0 714/124. .00 MET ECTION	Y 74.9 10W ERS	
HEIGHT(METERS)		NGLE(RELATI = 46.78N/12 = 46.78N/12 = 46.78N/12 NCE(X1000)						TOTAL
	3 ST. 18 APPROACH AN LON. STARTI LINE ANGLE NT OCCURREN 4.4-6.8 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6	8 9 1 1 7 9 1 1 2 1 2 1 2 1 2 3 2 1 2 3 3 3 1 2 3 3 3 1 3 3 3 1 3 3 3 1 3 3 3 3		ECTION IN IN IN		L SUMMAR = 714/124 100 MET ECTION 18.2- 2 22.2		TOT AL 58822949970976 0 588221 51 588229 499970 0 588221 51 51 51 51 51 51 51 51 51 51 51 51 51
HEIGHT (METERS) 0.949 0.949 0.500 0.100 0.949 0	4.4-6.8 6.0 8 8.7 114 85.7 200 1060 110 104 733 201 2481 525	8 9 1 1 7 9 1 1 1 2 1 2 1 2 1 2 3 2 1 2 3 3 3 1 2 3 3 3 1 3 3 3 1 3 3 3 3	PEO 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	15.3 15 13.3 15 13.4 13.9 2067 2067 2067 2067 2067 2067	4- 15.4- .3 18.1 	18.2- 2 22.2		182229490 5875559076 7505521 265221
HEIGHT (METERS) 0.499 0.500 - 0.499 1.500 - 1.2949 2.500 - 2.3499 2.500 - 3.449 4.500 - 1.499 5.00 + 449 5.00 + 449 5.00 + 449 6.00	4.4-6. 6.0 8 4.31 114 857 2001 1060 110 1060 200 1060 200	1- 8 1- 9 1- 8 1- 1 1- 1- 1- 1 1- 1- 1- 1 1- 1- 1- 1 1- 1	P101 24734967 81 24734967 81 2 2 MEAN P101 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15 = 15 15 15 15 15 15 15	4-3 15.4-1 -3 18.1 -3 18.1	18.2- 2 22.2	2 3- LONGER 	509755049 75065076 55065076 1138
HEIGHT (METERS) 0.499 0.500 - 0.499 1.500 - 12.499 2.500 - 23.499 2.500 - 34.499 2.500 - 44.99 5.00 - 44.99 5.00 - 44.99 5.00 - 44.99 5.00 - 44.99 6.00 - 44.99	4.4-6 8 123 1144 1166 1170 1170 1170 1170 1170 1170 1170	91 17941 25 ATT () 91 784524 2 ATT () 91 78452 2 ATT	PEO 36942 508 1 2 AN INFO 1 24739667 2 AN INFO 1 24739667 2 AN INFO 1 2608342443 3 0 59537421 4 1 2608342443 3 0 1 2 2 3 2 2 1 4 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	15ECONDS) 13.3 10 34 208 177 832 47 6 693 TP(SEC) =	4.1 161725;43937 4.1 161725;4	18.2- 2 22.: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.3- LONGER 	180209490970 7500515076 75005151 111 111 111 111 111 111 111 111

PHASE AND AND AND AND AND AND AND AND AND AND	ST PROÁCH DN. STA INE ANG T OCCUR	18 (ANGLI (RT= 4) (LE = (RENCE)	20 Y E(RELA 5.75N/ 1740 (X1000	EAR WA TÎVE 1 124 11 (DEG.) OF F	VE DIR O SHOR W AZ) VEIGHT	ECTION ELINE I AT. LOW MATER AND PER	STATI N DEG END DEPIH IOD B	STICAL PEES)= = 46.71 = 10.0 Y DIRÉO	SUMMAR 105.0 N/124. 10 MET	Y - 134.9 10W ERS	
HEIGHT(METERS)	4.4- 6.0	6.1 <u>-</u>	8,1-	9.6- 10.5	PERIOD 10.6- 11.7	SEÇOND	5) 3.4-: 15.3	15.4- 1 18.1	8.2- 2 22.2	2.3- LONGER	TOTAL
- 0.49 - 0.99 - 0.99 - 1.99 - 1.223 - 1.500 - 1.223 - 1.49 - 1.500 - 1.49 - 1.500 - 1.49 - 1.500 - 1.49 - 1.500 - 1.49 - 1.500 - 1.49 - 1.49	76 15830 · · · · · · · · · · · · · · · · · · ·	348540 1492043 1104	15 177 278 2478 2430 30 8	15411905815 12270582 75	230 230 2665 2665 2665 2665 2665 2665 2665 266	: 41	1144514 1144514	· · · · · · · · · · · · · · · · · · ·			15123402943 661172345 3689853115
MEAN HS(M) = 2.83		ST HS		6.58		TP(SEC)		.1 NUI	BER OF	CASES =	2868
PHASE ALL LAND AND AND AND AND AND AND AND AND AND	ST PEROÁCH DN. STA LNE ANG T OCCUR	18 I ANGLI RT= 4 SLE = RENCE	20 Y E(RELA 5.78N/ 174.00	EAR WA TIVE 1 124.11 (DEG.		RECTION RELINE I AT. LON WATER AND PER		STICAL REES)= = 46.71 = 10.0 Y DIREO	SUMMAR 135.0 N/124 0 MET	Y - 164.9 104 ERS	
HEIGHT(METERS)	4.4-	6.1- 8.0	8.1-	9.6- 10.5	PERIOD 10.6-7	118-1 13.3	§) 3.4- 15.3	15.4- 1 18.1	8.2- 2 22.2	2.3- LONGER	TOTAL
0.50 - 1.99 1.500 - 1.99 1.500 - 1.2.99 2.500 - 2.3.99 3.500 - 3.49 4.500 - 4.99 4.500 - 4.99	13 20 :	27 113	•	•	•	•		•	:		06171300000
4.50 - 4.49 4.50 - 4.99 5.00 +	: 39	: 49	: ò	: å	: ò	: å	: ò	: ô	: Ğ	: 0	8
MEAN HS(M) = 1.62		ST HS	•	•	-	TP(SEC)	•	•	IBER OF	-	54
PH \SE ALL LAT. LAT. LAT. SHORE PERCEN	ST PPROACH OH. STA INE ANG I OCCUR	18 1 ANGLI 181 = 40 SLE = PRENCE	20 Y E(RELA 5.78N/ 174.0 (X1000	EAR WA TIVE 1 124.11 (DEG.	AVE DIF TO SHOP LW (AZ) TEIGHT	RECTION RELINE I AT. LON WATER ANO FER	STATI N DEG END DEPIH 100 B	STICAL REES)= = 46.71 = 10.0 Y DIREC	SUMMAR 165.0 N/124. O MET	180.0 10W ERS	
HEIGHT(METERS)	4.4 <u>-</u> 6.0	6,1 <u>-</u>	8,1 <u>-</u>	9.6- 10.5	FEP.100	(SECONO 11.8-1 13.3	5} 3.4- 15.3	15.4- 1 18.1	8.2- 2 22.2	2.3- LÖNGER	TOTAL
0.49 0.49 0.49 1.49 1.29					: : :	: : : : : :		: : : : : :			0000000000000
MEAN HS(M) = 0.	LARGE	EST HS	(M) =	0.	MEAN	TP(SEC)	= 0	. NUI	BER OF	CASES =	0





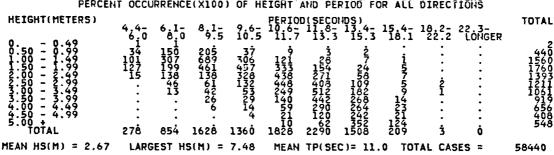
WIS STATION 18 (46.78N/ 124.11W TO 46.71N/ 124.10W)

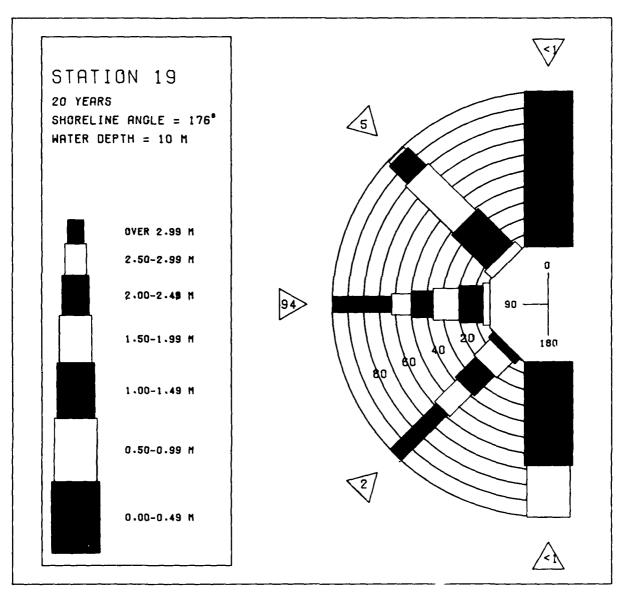
						MONT	H						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1995666678901234567890123456789012345678901234567890123456789012345	WATER TO THE TOTAL OF THE TOTAL	ชาวภามาสาราชาการาชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาว	70762060749679447	200000040044110576160	07-6889-11-88-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	111111111111111111111111111111111111111	7015451-101550000000000000000000000000000	2072744004772277742677	56874566747747688949	MM-6M-6-6-000-0-4-7-15-15-0-0-4-6	การกระทุกการการการการการการการการการการการการการ	0785544569555467mm48A	Zงงนที่ตากจากสาทางงานที่จนที่จนที่จนที่จนที่จนที่จนที่จนที่จ
MEAN	3.3	3.2	2.8	2.3	1.7	1.4	1.3	1.2	1.6	2.5	3.2	3.6	
	NAL	WIS S			T HS()		124.		H AND O 46. SEP		124.1 NOV	DH)	
Y1199990123456789012345	04666664666666666666666666666666666666	87.06พฤหายพฤหาร์ 49.4607.6	44447445675649976655	502-1803-151-75454221-78	いっというできないのようというというというというというというというというというというというというという	00100000000000000000000000000000000000	0-19-11-19-14-4-0-80-1-2-1-2-1-2-1-2-1-2-1-2-1-2-1-2-1-2-1-	18119436510730451429	70394946134930670855	23866591770792305100 4444544734443444554	4566647556654566666666	17434147032558207997	
20 YR. MEAN PHOSAN PHOSAN PART PART PART PART PART PART PART PART											METER METER SEGRE SECON METON METON SECON METON		N/ 124.10W 21.4 10.00 11.5 7.2 167.1 62111915

HEIGHT(METERS)	APPROACH 19 LDN. START NT OCCURREN 4.4- 6.1	GLE(RELATIVE 46.761N/124 46.761N/124 46.761N/124 60.76	PERTON		ISTICAL SUM GREES) = 10 D= 46.500/1 H = 10.000 By DIRECTIO		TOTAL
	: : : : : : : : : : : : : : : : : : :	ò		; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	å d	ò	0000000000
MEAN HS(M) = 0.	LARGEST	HS(M) = 0.	MEAN T	P(SEC) =	O. NUMBER	OF CASES =	0
PHASE WAYE LATE SHORE PERCE MEIGHT(METERS)	3 ST 19 APPROACH AN LON START= LINE ANGLE NT OCCURREN	GLE(RELATIVE 46.61N/124 = 16.0 (06 CE(X1000) OF					TOTAL
	4.4- 6.1 6.0 8.	0 8,1 9,6 9.5 10	5 11:7	13.3 15.3	15.4- 18.2 18.1 22	2 22.3- 2 LONGER	į į
99999999999999999999999999999999999999	143 3 106 53 . 10						1459 1590 1000 1000 1000 1000 1000 1000 10
5.00 + TOTAL MEAN HS(M) = 1.54	250 66	0 (HS(M) = 2.18	Ö B MEAN T	0 0 P(SEC) =	Ó Ó 5.6 NUMBER	ó ? OF CASES =	_
PHASE WAVE LAT: SHORE PERCE	3 ST. 19 APPROACH AN LON. START= LINE ANGLE NT OCCURREN	31E(RELATIVE 46.61N/124 = 176.0 (DE CE(X1000) OF				MARY 5.0 - 74.9 124.08W METERS IN	
HEIGHT(METERS)							TOTAL
HEIGHT(METERS)	3 ST 19 APPROSCH 19 LON 2 ANGLE NT OCCURREN 4.4- 6.1 131 643 7922 1140 131 263 1541 1088 1263 131 263 131 263 131 263	0 8,1- 9,6 0 9,5 10.	PERIOD (10.6-1) 5 11.7 13 296 162 162	CTION STAT LINE IN DE LINE IN DE LON EPI LON EPI LON EPI LON EPI ND PERIOD SECONDS) 13.3 15.3 1 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3			TOT AL 1519 52378403022 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HEIGHT(METERS) 0.1000-1-1000-1000-1000-1000-1000-1000	4.4- 6.1 9.30 6.43 2.56 6.43 10.88 11.60 13.1 26.3 	0 9 1 5 10 68 15 10 68 15 10 68 15 15 10 68 15 15 15 15 15 15 15 15 15 15 15 15 15	PERIODO 10.6-13.7 13.0 29.6 14.6 14.8 14.8 14.8 14.8 14.8 14.8 14.8 14.8	\$ECONDS) 18.7 13.4 13.3 15.3 1 10 13 1 1 26 0	15.4- 18.22 18.1 22		51993237810 19774403902 1504409311 14442
HEIGHT (METERS) 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.4	4.4- 6.1 6.30 8 2.56 643 2.56 1543 1088 1169 131 263 	0 9 1 7 9 6 6 7 1 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1	PER IOD (10 16 1 1 3 1 6 1 6 7 1 7 1 7 1 6	\$ECONDS 13.3 15.3	15.4- 18.2 18.1 22 18.1 22 0 (6) 8.0 NUMBER 18.1 CAL SUN 6REES) = 70.0 19.1 CAL SUN 19.1 CAL	22.3- 2 LONGER 	51993237810 19774403902 1504409311 14442
HEIGHT (METERS) 0.49 0.49 0.49 0.50 0.60 0.60 0.60 0.60 0.60 0.60 0.60	4.4- 6.1 156 643 156 643 1088 1160 131 263 68 68 68 68 68 68 68 68 68 68 68 68 68	0 9 1 5 10 6 8 1 5 10 6 8 1 5 10 6 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIODO (10.6-7) 10.6-7 10.6-7 10.6-7 10.6-7 10.6-7 10.6-7 10.6-7 10.6-7 10.6-7 10.6-7 10.6-7 10.6-7 10.6-7	\$ECONDS 13.3 15.3	15.4- 18.2 18.1 22 18.1 22 0 (6) 8.0 NUMBER 18.1 CAL SUN 6REES) = 70.0 19.1 CAL SUN 19.1 CAL	22.3- 2 LONGER 	151 15779 144420 102 102 102 102 102 102 102 102 102 1
HEIGHT (METERS) 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.4	4 4 0 6 8 1 1 1 1 2 6 6 8 1 1 1 6 6 8 1 1 1 6 6 8 1 1 1 6 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PER 10-1 1 170616273 - 8 AN I REE 1 180616273 - 8 AN I REE 1 48 AN I REE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ECONDS 13.3 15.3	15.4-18.2 18.1 22 18.1 22 0 0 8.0 NUMBER GREES)= NVI GREES)= NVI H 10.000 15.4-18.2 15.4-1	22.3- 2 LONGER 3 OF CASES = 1MARY 104.9 104.08 HETERS	1442 8 22293692410 1442

PHASE HAVE A LAT SHOPEL PERCEN	3 ST. 19 PPROACH A CN. START INE ANGLE T OCCURRE	NGLE(REL = 46.61N = 176.0 NCE(X100	YEAR WATIVE 124.1(0) OF 1				TICAL EES)= 46.50 = 10.0	SUMMAR 105.0 0N/124. 00 MET TION	134.9 08W ERS	
HEIGHT(METERS)	4,4- 6	1- 8,1 ₅	9.6- 10.5	PERICO	(SECOND 11.8- 1 13.3	(\$) 3,4- 1	5.4- []] 18.1	18,2- 2	2 3- LONGER	TOTAL
99999999999999999999999999999999999999	į		•	:	:	:	:	:	:	0 5 1 8 2
1.50 - 1.99 2.00 - 2.49	i 30 18 8 18	9 126 6 157	87 114	17 88	įį	i	:	:	:	430 512
3.50 - 3.49	:	16667339 10257339 1620 1159160	193 77	179 207	82 164	<u>.</u> 5	:	:	:	05202149999 831993660 145645312
0.4999999999999999999999999999999999999	:	: :	17 114 1699 777 377 103 613	78197 2121 2121 941	1586242125 1657935	5509909 169	· 5	:	:	169 209
MEAN HS(M) = 3.11	44 40 LARGEST	/4 /00 [HS(M) =			TP(SEC)			U 1BER OF	CASES =	2117
PHASE WAYE A	3 ST 19	20 NGLE(REL = 46.61N = 176.0 NCE(X100	YEAR WA	VE DIR	ECTION	STATIS	TICAL	SUMMAR	Y - 164.9	
SHOREL PERCEN	THE ANGLE	= 176.0 NCE(X100	O) OF	AZ.) HEIGHT	MATER AND PER	DEPTH	DIREC	TION	ERS	
HEIGHT(METERS)	4,4- 6	3.0 8,1- 9.5	9.6- 10.5	PERIOD	(SECOND 11.8- 1 13.3	(S) (3:4- 1	5.4- 1 18.1	18.2- 2 22.2	2 3- LONGER	TOTAL
0.50 - 0.49 0.50 - 0.99	65)	:	:	:		:		:	3
99999999999999999999999999999999999999	î a	8.1- 8.0 9.5 3.3 i	:	:	:	:	:	:	:	M9851000000
3.50 - 3.49 3.50 - 3.99	:	: :	:	:	:	:	:	:	:	00
4:50 - 4:99 5:00 +	:	: :	:	:	:	:	:		•	000
MEAN HS(M) = 1.53		55 9 [HS(M) =	0 2.36	Ó MEAN	O TP(SEC)	0 = 6.	0 7 NUI	å 1BER OF	O CASES =	36
PHASE HAVE A	3 ST 19) NGLE(REL	YEAR W	AVE DIR	ECTION 1	STATIS	TICAL EES)=	SUMMAR 165.0	Y - 180.0	
LAT. LO SHOREL Parcan	ON. START THE ANGLE T OCCURRE	20 NGLE(REL = 46.61N = 176.0 NCE(X100	/124.10 (DEG 0) OF 1	OW AZ) REIGHT	AT. LON- WATER AND PER	I END= DEPTH LICD BY	= 46.50 = 10.0 DIREC	0N/124 00 MET CTION	ers Ers	
HEIGHT(METERS)		1- 8,1- 3.0 9.5			(SECOND		5.4- []] 18.1		2.3- LONGER	TOTAL
0 0.49 0.50 - 0.99	6.0 8	3.0 9.5 : :	10.5	11.7	13.3	15.3	18.1	22.2	LONGER	0
1.00 - 1.49 1.50 - 1.99 2.00 - 2.49	:	: :	:	:	:	:	:	:	•	000
99999999999999999999999999999999999999	•		•	•	•	:	•	:	:	Ŏ O O
0.4999999999999999999999999999999999999	•		•	:	•	:	•			0000000000
TOTAL MEAN HS(M) = 0.	Ó LADGEST	0 0 [HS(M) =	Ò	Ö Mean	Ĉ TP(SEC)	. = 0.	Ó NI IN	Ó 1850 NE	Ó CASES =	0
NENT 113(11) - 0:	FARGES	.,5(11) -	٧.	· · can	(526)	~ 0.	1101	וט אבעו	CASES -	J

PHASE 3 ST. 19 20 YEAR STATISTICAL SUMMARY FOR ALL DIRECTIONS LAT. LON. START 46.61N/124.10W LAT. LON. END 46.50N/124.00W SHORELINE ANGLE = 16.00 (DEG AZ.) MATER DEPTH = 10.00 TERES PERCENT OCCURRENCE(X100) OF HEIGHT AND PERIOD FOR ALL DIRECTIONS





HIS STATION 19 (46.61N/ 124.10W TO 46.50N/ 124.08W)

MONTH

	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	nortandrandrandrandran	MOLANG ANG MANAGEMENT ANG ANG ANG ANG ANG ANG ANG ANG ANG ANG	กษณะเลาเลาเลาเลาเลาเลาเลาเลาเลาเลาเลาเลาเลาเ	<u> </u>	מיניים היים היים היים היים היים היים היים	8014000007000000000000000000000000000000	456444411444444618060	42434269724234554750	6899578996996878822H1	679800H660898976N088	24440764970284877948899	6241160000000000000000000000000000000000	MONORAL CONTROL
MEAN	3.8	3.7	3.2	2.6	2.0	1.6	1.4	1.4	1.8	2.8	3.6	4.1	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 19 (46.61N/ 124.10W TO 46.50N/ 124.08W)

MONTH

1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	NOV DEC	OCT	SEP	AUG	JUL	JUN	MAY	APR	MAR	FEB	JAN	
0.000000000000000000000000000000000000	6.0 7.2 2.4 7.2	18111191111171988VO	あったいいのけ	30000000000000000000000000000000000000	4257	7.57.46.1873.587.4.4.1.4.17.0.7.0.6.	ארורוניות	45054475444565454546	#12000017444		747-6450-802-1970-	R6789012345678901234 15555666666666777777 169999999999999999999999

20 YR. STATISTICS FOR PACIFIC STATION 19 (46.61N/ 124.10W TO 46.50N/ 124.08W)

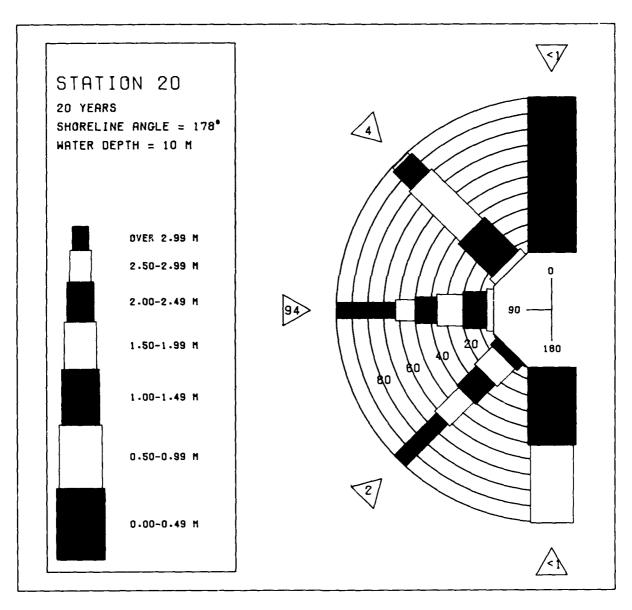
MEAN SIGNIFICANT WAVE HEIGHT (METERS)	_2.7
MEÁN PÉÁK MÁVE PERÍOD (SECONDS) MOST FREQUENT 30.0 DEGRÉE (CENTER) DIRECTION BAND (DEGREES)	11.0
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	74.4
STANDARD DEVIATION OF WAVE TO (METERS) STANDARD DEVIATION OF WAVE TO (SECONDS)	1.3 2.5 7.5
LARGEST WAVE HS (METERS)	7.5
LARGEST MAVE HS MAVE TP ASSOCIATED WITH LARGEST MAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST MAVE HS DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR) OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	14 3
AVERAGE DIRECTION ASSOCIATED WITH LARGEST MAYE HS (DEGREES)	473.083.2
DATE OF LARGEST HS OCCURRENCE 45 (1K) NO (DA) TRY	03102403

PHASE HAYE LAT SHOPE PERCE	3 ST 20 APPROACH 1 LON STAR LINE ANGLI NT OCCURRI	0 ANGLE(RE T= 46.50 E= 178. ENCE(X10	YEAR WALATIVE OF LOSE	AVE DIR TO SHOR 3W AZ) TEÎGHT	ECTION ELINE I AT LON WATER AND PER	STATIS N DEGR DEPTH DEPTH TOD BY	TICAL EES)= 46.40 = 10.0	SUMMAR 0 N/124 10 ME TION	71 084 1685	
HEIGHT(METERS)		.1- 8,1 8.0 9.		DEPTOD					22 3- LONGER	TOTAL
0. 50 - 0.49	6.0	8.0 9.	5 10.5	11.7	13.3	15.3	18.1	22.2	LONGER	0
99999999999999999999999999999999999999	•		:	:	:	:	:	:	:	000000000
2.00 - 2.49 2.50 - 2.99 3.60 - 3.49	•	: :	:	•	•	•	:	:	:	ŏ
3.50 - 3.99 4.00 - 4.49	:		:	:	:	:	:		•	0
4.50 - 4.99 5.00 + TOTAL	Ò		Ò	Ò	Ö	Ò	Ò	Ô	Ò	ŏ
MEAN HS(M) = 0.	LARGES	T HS(M)	-	MEAN	TP(SEC)	= 0.	NUI	1BER O	F CASES =	. 0
PHASE WAVE LAT. SHORE PERCE	3 ST 2 APPROACH LON. STAR LINE ANGL NT OCCURR	0 ANGLE(RE T= 46.50 E = 178. ENCE(X10	YEAR WALLATIVE N/124.08 0 (DEG 00) OF 1	AVE DIR TO SHOR W AZ) HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIS N DEGR END= DEPTH IOD BY	TICAL REES)= 46'46 = 10'6 DIRE	SUMMAI 15.0 N/124 10 ME TION	RY 44.9 108W TERS	
HEIGHT(METERS)	4.4- 6	il- 8;1	5 9.6- 5 10.5	PERIOD	(SECOND 11.8- 1	(S) 3.4-	18.1	18,2-	22.3- LONGER	TOTAL
99999999999999999999999999999999999999			3 IV.3 :	:	:	:	:	:	EUNGER	0
99999999999999999999999999999999999999	106 82	3 ³ / ₃	:	:	:	:	:	:	:	109 119 0
2.50 - 2.99 3.00 - 3.49	:		:	:	:	:	:	:	:	ŏ
104999999999999999999999999999999999999	:	:	•	:	:	:	:	:	:	ğ
5.00 + TOTAL	189	43 6	å	å	Ġ	Ô	ò	ċ	Ġ	0
MEAN HS(M) = 1.53	LARGES	T HS(M)	= 2.04	MEAN	TP(SEC)	= 5.	.5 NU	MBER O	F CASES =	= 137
PHASE WAYE LATE SHOPE PERCE	3 ST. 2 APPROACH LON. STAR LINE ANGL NT OCCURR	0 ANGLE(RE T= 46 50 E = 178 ENCE(X10	YEAR W LATIYE N/124.0 O (DEG	AVE DIR TO SHOR SW AZ) HEIGHT	ECTION ELINE I AT LON WATER AND PER	STATIS N DEGI L END: DEPTH	STICAL REES)= = 46.4 = 10.1 y dire	SUMMA 45.0 0N/124 00 ME CTION	RY 74.9 -08W TERS	
HEIGHT(METERS)				AVE DIR TO SHOR BW AZ H HEIGHT PERIOD 10,65	ECTION ELINE I AT LON WATER AND PER (SECOND 11,87 1	STATIS N DEGI DEPTH LIOD B				TOTAL
HEIGHT(METERS)	4,4- 6 6.0	8.0 89	5 9.6.5	PERIOD 10.6-7	13.3	STATIS N DEGR END: DEPTH PIOD B	STICAL PEES)= = 4604 y DIRE 15.4- 16.1		RY 74.9 08W TERS 22.3- LONGER	
HEIGHT(METERS)	4,4- 6 6.0	8.0 89	5 9.6.5	PERIOD 10.6-7	ECTION ELINE I AT LON MATER AND ESCOND 113.3	STATIS N DEGR DEPTH DEPTH 100 B			22.3- LÖNGER	
HEIGHT(METERS) 0.50 - 0.49 1.50 - 1.49 1.50 - 1.49 2.00 - 2.49	4,4- 6 6.0	8.0 89	5 9.6.5	PERIOD 10.6-7	11.8-1 113.3 i :	STATII N OEGG DEPTH PLOO B 150 B			22.3- LÖNGER	
HEIGHT(METERS) 0.50 - 0.49 1.50 - 1.49 1.50 - 1.49 2.00 - 2.49	4,4- 6 6.0		5 9.6- 5 10.5	AVE SHOR TO SHOR NA AGE HEIGHT PERIOD 10.6-7 300 862 947 25 1	11.8-1 113.3 i :	STATIS N DEGR DEPTH 1000 B 15.3			22.3- LÖNGER	
HEIGHT(METERS) 0.50 - 0.49 1.50 - 1.49 1.50 - 1.49 2.00 - 2.49	4.4- 6 110 246 13 1120 111 128 2	8.0 89	9.0.5 10.5 16638 1	PERIOD 10.6-7	11.8-1 113.3 i :	STATIS N OEB N DEB 1 END 1 EPTH 1 I O B 1 S 1 1 S 3 1 S 4 1 S 5 1			22.3- LÖNGER	TOTAL 1169936516700
HEIGHT(METERS) - 0.49 0.500 - 1.49 0.500 - 2.49 0.500 - 3.49 0.500 - 3.49 0.500 - 3.49 0.500 - 3.49	4.4- 6 11 246 13 1120 11 128 2	8.0 9 8.0 9 49 435 44 125 20 86 85 5 65 5 3	9 0 6 5 10 1 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6	PERIOD 10.6.7 3808 1629 457	13.3 13.3 1 10 6	0 0 0	15.4- 16.1 : : : :	18.2- 22.2	22.3- LÖNGER	169936516700 1891565166700
HEIGHT (METERS) 0.49 0.79 0.79 0.79 0.79 0.79 0.79 0.79 0.7	4.4-0 616 1200 1120 1120 120 120 120 120 120 120	8.0 9 8.0 43 449 435 449 125 65 53 66 287 66 287 67 HS(M)	5 10.66 1.66381638 1.66381638 1.6638 1.6643	PERIOD 7 30 80 80 97 51 1 45 7 MEAN AVE SHOWN AND HER BANK AND HER BAN	ISECOND 13.3 i i 10 10 17 TP(SEC:	15.3 15.3 0 7 STATION OF THE PROPERTY OF THE P	15.4- 18.1 	18.2-2 22.2 	22.33- LÖNGER 	109306516700 1266661 1666661 1666661 1666661 1666661 1666661 1666661 166
HEIGHT (METERS) 0.50 - 0.49 0.50 - 1.49 1.500 - 2.49 2.500 - 2.49 2.500 - 3.49 2.500 - 4.49 2.500 - 4.49 2.500 - 4.49 2.500 - 4.50 MEAN HS(M) = 1.64 PHASE WAYE SHORE HEIGHT (METERS)	4.4-0 616 1200 1120 1120 120 120 120 120 120 120	8.0 9 8.0 43 449 435 449 125 65 53 66 287 66 287 67 HS(M)	7 1 5 1 6 3 8 1 6 3 8 1 6 6 5 1 6 6 5 1 6 6 6 6 6 6 6 6 6 6 6	PERIOD 7 30 80 80 97 51 1 45 7 MEAN AVE SHOWN AND HER BANK AND HER BAN	ISECOND 13.3 i i 10 10 17 TP(SEC:	15.3 15.3 0 7 STATION OF THE PROPERTY OF THE P	15.4- 18.1 	18.2-2 22.2 	22.33- LÖNGER 	100-16-06-51-66-51
HEIGHT (METERS) 0.49 0.500 - 0.49 1.500 - 1.29 1.500 - 2.39 1.500 - 3.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.64 PHASE WAYE SHORE PERCE HEIGHT (METERS)	4.4-0 616 1300 1128 128 2305 2305 2305 2305 2305 2305 2305 2305	8.0 9 8.0 43 449 435 449 125 65 53 66 287 66 287 67 HS(M)	7 1 5 1 6 3 8 1 6 3 8 1 6 6 5 1 6 6 5 1 6 6 6 6 6 6 6 6 6 6 6	PERIOD 7 30 80 80 97 51 1 45 7 MEAN AVE SHOWN AND HER BANK AND HER BAN	ISECOND 13.3 i i 10 10 17 TP(SEC:	15.3 15.3 0 7 STATION OF THE PROPERTY OF THE P	15.4- 18.1 	18.2-2 22.2 	22.33- LÖNGER 	100-16-06-51-66-51
HEIGHT (METERS) 0.49 0.500 - 0.49 1.500 - 1.29 1.500 - 2.39 1.500 - 3.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.64 PHASE WAYE SHORE PERCE HEIGHT (METERS)	4.4-0 616 1300 1128 128 2305 2305 2305 2305 2305 2305 2305 2305	8.0 9 8.0 43 449 435 449 125 65 53 66 287 66 287 67 HS(M)	7 1 5 1 6 3 8 1 6 3 8 1 6 6 5 1 6 6 5 1 6 6 6 6 6 6 6 6 6 6 6	PERIOD 7 30 80 80 97 51 1 45 7 MEAN AVE SHOWN AND HER BANK AND HER BAN	ISECOND 13.3 i i 10 10 17 TP(SEC:	15.3 15.3 0 7 STATION OF THE PROPERTY OF THE P	15.4- 18.1 	18.2-2 22.2 	22.33- LÖNGER 	100-16-06-51-66-51
HEIGHT (METERS) 0.49 0.500 - 0.49 1.500 - 1.29 1.500 - 2.39 1.500 - 3.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.64 PHASE WAYE SHORE PERCE HEIGHT (METERS)	4 4 0 6 11 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	8.0 9 8.0 43 449 435 449 125 65 53 66 287 66 287 67 HS(M)	7 1 5 1 6 3 8 1 6 3 8 1 6 6 5 1 6 6 5 1 6 6 6 6 6 6 6 6 6 6 6	PERIOD 7 30 80 80 97 51 1 45 7 MEAN AVE SHOWN AND HER BANK AND HER BAN	ISECOND 13.3 i i 10 10 17 TP(SEC:	15.3 15.3 0 7 STATION OF THE PROPERTY OF THE P	15.4- 18.1 	18.2-2 22.2 	22.33- LÖNGER 	100-16-06-51-66-51
HEIGHT (METERS) 0.49 0.500 - 0.49 1.500 - 1.29 1.500 - 2.39 1.500 - 3.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.64 PHASE WAYE SHORE PERCE HEIGHT (METERS)	4.4-0 616 1300 1128 128 2305 2305 2305 2305 2305 2305 2305 2305	8.0 9 8.0 43 449 435 449 125 65 53 66 287 66 287 67 HS(M)	7 1 5 1 6 3 8 1 6 3 8 1 6 6 5 1 6 6 5 1 6 6 6 6 6 6 6 6 6 6 6	PERIOD 7 30 80 80 97 51 1 45 7 MEAN AVE SHOWN AND HER BANK AND HER BAN	ISECOND 13.3 i i 10 10 17 TP(SEC:	15.3 15.3 0 7 STATION OF THE PROPERTY OF THE P	15.4- 18.1 	18.2-2 22.2 	22.33- LÖNGER 	100-16-06-51-66-51
HEIGHT (METERS) 0.49 0.79 0.79 0.79 0.79 0.79 0.79 0.79 0.7	4 6 1 1 1 2 2 2 4 6 1 1 1 2 2 2 2 4 2 2 2 2 2 2 2 2 2 2 2 2	8-9 43565(55)3 8-9 12865(55)3 128	7 1 5 1 6 3 8 1 6 3 8 1 6 6 5 1 6 6 5 1 6 6 6 6 6 6 6 6 6 6 6	PERIOD 7 30 80 80 97 51 1 45 7 MEAN AVE SHOWN AND HER BANK AND HER BAN	ISECOND 13.3 i i 10 10 17 TP(SEC:	15.3 15.3 0 7 STATION OF THE PROPERTY OF THE P	15.8	18.2.2.2.3.6 O O A A O O O O O O O O O O O O O O O	22 3- LÖNGER : : : : : : : : : : : : :	16936516700 1814516516700 18366651 18366651 18366651 18366651 18366681934818 1836681934818 18368699961934

PHASE HAYE A LATE SHOREL PERCEN	ST. 20 PPROACH A ON. START INE ANGLE T OCCURRE	20 NGLE(RFL = 46.50N = 178.0 NCE(X100	YEAR WA ATIVE T 124.08 (DEG 0) OF F				TICAL EES)= 46.401 = 10.0 DIREC	SUMMAR 105.0 N/124.0 O METI TION	Y - 134.9 Dew ERS	
HEIGHT(METERS)	4.4- 6. 6.0 6	1- 8,1- 3.0 9.5	9.6- 10.5	PERICO 10.6- 11.7	(SECCI'0 113.3	S) 3.4- 1 15.3	5.4- 1 18.1	8.2- 21 22.2	2 3- LÖNGER	TOTAL
0.500 - 1.2233.499 1.5000 - 1.2233.499 2233.500 - 4.99 4.500 - 4.99	10 32 8 12 	5672298887 167898887 168887 168887 16887 168887 16887	187 1249 187 187 187 187 187 187 187 187 187 187	241359453 215819566 1212	3618 1184 1185 7913	1 89591 223773				07572257444 10732457444 255755311
MEAN HS(M) = 3.03	LARGES	r HS(M) =	7.06	MEAN	TP(SEC)	= 10.	3 NUM	BER UF	CASES =	2246
PHASE NAVE ALAT. LI SHOREL PERCEN	ST. 20 PPROACH A DN. START INE ANGLE TOCCURRE	20 NGLE(REL 1= 46.50N = 178.0 NCE(X100					TICAL EES}= 46.40 = 10.0 DIREC	SUMMAR' 135.0 N/124.1 O METI TION	Y - 164.9 08W ERS	
HEIGHT(METERS)	4,4- 6	3,0 8,1-	9.6- 10.5	PERIOD 10.6- 11.7	(SECOND 11.8-1 13.3	§) 3.4- 1 15.3	5.4- 1 18.1	8.2- 2: 22.2	2 3- LÖNGER	TOTAL
0.500 - 1.499 1.500 - 1.499 1.500 - 2.33.499 1.500 - 2.33.499 1.500 - 4.499 1.500 - 4.499	6 3 1	5580				: : : : : :	· · · · · · · · · · · · · · · · · · ·		: : : : :	602440000000
MEAN HS(M) = 1.10	LARGEST	r HS(M) =	1.92	MEAN	TP(SEC)	= 6.	7 NUMI	BER OF	CASES =	29
PHASE WAYE ALLAY LAY SHOPEL PERCEN	3 ST 20 PPROACH / ON START INE ANGLE T OCCURRE	20 NGLE(REL = 46.50N = 178.0 NCE(X100	YEAR WA ATIVE 1 124.08 (DEG.	VE DIR TO SHOR W AZ) HEIGHT	ECTION ELINE I AT LON WATER AND PER	STATIS N DEGR END= DEPTH IOD BY	TICAL EES)= 46,40 = 10.0 DIREC	SUMMAR 165.0 N/124.1 0 METI TION	Y - 180.0 DEW ERS	
HEIGHT(METERS)	4.4- 6	1- 8,1- 3,0 9.5	9.6- 10.5	FERIOD 10.6-	(SECOND 11.8-1	5) 3.4- 1 15.3	5.4- 1 18.1	8.2- 2	2 3- LONGER	TOTAL
0.500 - 12.499 1.500 - 12.499 1.500 - 23.499 22.500 - 33.499 4.500 - 4.99 4.500 - 4.99		· · · · · · · · · · · · · · · · · · ·			·				: : : :	0000000000000
MEAN HS(M) = 0.	LARGES	r HS(M) =	υ.	MEAN	TP(SEC)	= 0.	NUM	אנא DF	CASES =	0

PHASE 3 ST. 20 20 YEAR STATISTICAL SUMMARY FOR ALL DIRECTIONS LAT. LON. START= 46.50N/124.08W LAT. LON. END= 46.40N/124.08W SHORELINE ANGLE = 178.0 (DEG. AZ.) WATER DEPTH = 10.00 METERS - DEFICIT OF THE PROPERTY OF THE PRO

Pt	ERCENT OCCU	RRENCE	E(X100)	OF H	EIGHT	AND PER	RIOD FO	R ALL	DIRECT	ZMOI	
HEIGHT(METERS	5) 4.4-	6.1-	8.1-	9.6-	PERIOD	11.8-	NDS) 13.4-	15.4-	18.2- 2	22.3-	TOTAL
0 - 0 49	6,0	8,0	9.5	10.5	11.7	13.3	15.3	18.1	22.2	Z2.3- LONGER	7
0.50 - 0.99	34 99	148	203	-3 <u>\$</u>	., 9	23	ż	:	:	:	. 434
1:50 - 1:35	130	127	688 464	459	333	152	24	ģ	:	•	1764
2.50 - 2.49	16	137	139	331 133	442 454	271 412	107	7	ż	:	1400 1221
3.00 - 3.49	•	13	40 24	53	248 139	518	181	10	1	•	1061
4.00 - 4.49 4.50 - 4.99	;	:	*6	Ĩģ	54	289	265	23	: `	•	651
5.00 +				3753	1002	761	351	124	:		407 54 5
TOTAL	280	852	1623	1357	1825	2297	1510	210	3	U	
MEAN HS(M) = 1	2.67 LARG	EST H	5(M) =	7.50	MEAN	TP(SEC	c)= 11.	C TOT	AL CASI	ES =	58440



WIS STATION 20 (46.50N/ 124.08W TO 46.40N/ 124.08W)

40	L٢	TL	
10	п	1 5	1

	HAL	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOA	DEC	
R67890123456789012345 R55555666666666677777777 E9999999999999999	4772/73747774915844215157	MANAMANAMANAAAAAAAAAAAAAAAAAAAAAAAAAAA	MANAGANANANANANANANANANANANANANANANANANA	ommonousousousonsonsons	พองงองเาอออจนกรอยาองเกย	85,45,66,69,705,25,86,67,193	15m00400m74m4440m80000	42434269724284554752	689957899690687982171	200201111111111111111111111111111111111	พลากการสากการสากการสาก	62444460000009500077056	A THIRDOTT-GOTT-GOULDOOT-BOOK BUNGANANANANANANANANANANANANANANANANANANA
MEAN	3.8	3.7	3.2	2.7	2.0	1.6	1.4	1.4	1.8	2.8	3.6	4.1	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 20 (46.50N/ 124.08W TO 46.40N/ 124.08W)

HTHOM

	MAL	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 A558566666666777777 E999999999999999999	0466665566655466666	16415391724009172130	หารการจากราชการการการการการการการการการการการการการก	10516273666972248122 45654473646476545455	AMPLANDONA AND AND AND AND AND AND AND AND AND A	75761045877174727061	างนางงานของเกลา ๆ จอมกาคางงา	นคงของการเขาของคองสงคา	758852471677049821517	51817555747108820756	500000500005500000000000	194576987447742902271

20 YR. STATISTICS FOR PACIFIC STATION 20 (46.50N/ 124.08W TO 46.40N/ 124.08W)

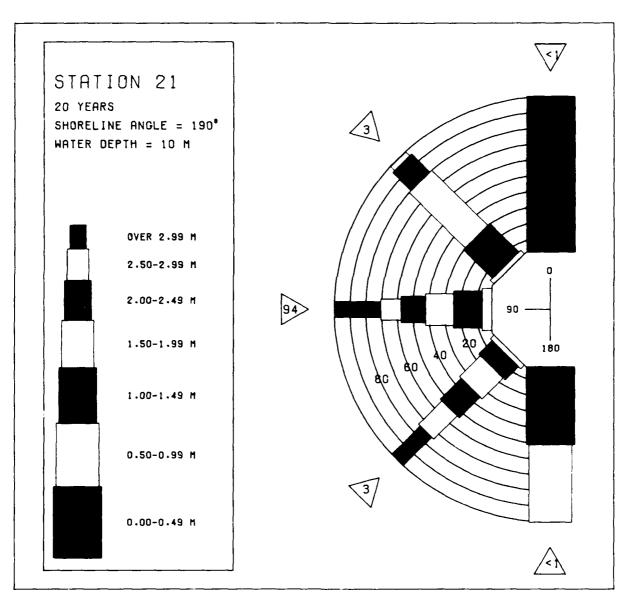
MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2.7
MEAN DEAV LIAVE DEDITOD (CECONDO)	11.0
MOST FREQUENT 30-0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	90.0
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	ቫ · ፮
	2: 5 7: 5
MÂVĚ TP ÁSŠŌCIĂTEĎ WITH LÁRGEST WÁVĚ HS (SECŌNŌŚ)	14.3
WAVE TP MASSOCIATED WITH LARGEST WAVE HS (SECONOS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	84.1
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	63102409

PHASE HAYE LATTREE PERCENT OF THE PE	3 ST 21 APPROACH ANG ON STARTS IN ANGLE : IT OCCURRENC 4.4- 6.1- 6.0 8.0 		PERIOD(SE 10.6- 11.7 11.7 13			- 22.3- 2 LONGER : : : :	TOTAL 000000000000000000000000000000000000
MEAN HS(M) = 0.	LARGEST H	5(M) = 0.	MEAN TP(SEC) = 0	. NUMBER	OF CASES =	• 0
HEIGHT(METERS) 0.50 - 0.49 0.50 - 0.49 1.500 - 1.99 1.500 - 2.99 2.500 - 2.99 2.500 - 3.49	3 ST. 21 APPROACH ANG LON. START = LINE ANGLE = NT OCCURRENC 4.4- 6.1- 6.0 8.0 3 .	20 YEAR M LE(RELATIVE 0 46.400 / 124 0 190.00) OF E(X1000) OF 8.1- 9.6- 9.5 10.5	DEPTODISE		STICAL SUM REES)= 15-18-18-18-18-18-18-18-18-18-18-18-18-18-		TOTAL 03563000000
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99 5.00 +	: :	: :	:	:	: :	:	0
TOTAL MEAN HS(M) = 1.45	49 Ğ Largest H	0 0 5(M) = 2.22	Ó (MEAN TPC:)	Ó Ó 5.1 NUMBER	OF CASES =	
	3 ST 21 APPROACH ANGLE = NT OCCURRENC 4.4-6.1-6.0 8.0 183 107 1893 157 1461 711 225 667 	20 YEAR E (RELATIZATE OF FER PROPERTY OF FER P	PERIOD(SE 10.6- 11.7 11.7 13	CONDS) 3-13:4-3 3-15:3 : : : : : : : : : : : : : : : : : : :	15.4- 18.22. 16.1 22.	- 22 3- 2 LONGER	TOTAL 301 13310 221125 18335 00 0
	3 ST. 21 APPROACH ANG LON. START= LINE ANGLE = IT OCCUPRENC						2,22
HEIGHT(METERS)	AT OCCUPRENC	E(X1000) OF	HEIGHT AND	PERIOD E	15.4-18.2 18.1 22. 35. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19.	114	

PHASE HAYE A LAT SHOREL PERCEN	3 ST 21 PPROACH A DH. START I'HE ANGLE T OCCURRE	20 NGLE(REL = 46.43N = 1900 NCE(X100	YEAR HATIVE TO THE COLUMN TO THE COLUMN TO THE COLUMN T				STICAL EES)= 46.26 = 10.0 DIREC	SUMMAR 105.0 N. 124. O MET TION	Y - 134.9 10H ERS	
HEIGHT(METERS)	4,4- 6,	1.0 8,1- 9.5	9.6- 10.5	PER 100	11.8-1 13.3	\$) 3 . 4- :	15.4- 1 18.1	8.2- 2 22.2	2.3- LONGER	TOTAL
- 0 0 1 1 2 2 3 3 2 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9					•	:	:	:	EONOER	197 571
1.50 - 1.99 2.00 - 2.49 2.50 - 2.99	18 10 42 10 15	8 299 14 186 13 140	179 239 219	229 391 407	56 188 287	23 65	3	:	:	893 1136 1194
	. 2	95 309860 3284472 14751	3979990851 1222 113191	8891744403 62901041 23471	56 188 287 242 183 119 71 1152	65 63 77	1 5 1	:	:	177133647 9793647 1189287 11842553
5.00 + TOTAL	67 43		89Î	1578	1152	70 22 419	10 10	Ö	Ö	33
MEAN HS(M) = 2.57	LARGES1	HS(M) =	5.58	MEAN	TP(SEC)	= 10	.6 NUM	BER OF	CASES =	3335
PHASE NAVE A	3 ST. 21	NG LE (REL	YEAR WA	AVE DIE	SECTION TECTION	STATI:	STICAL SEES)=	SUMMAR 135.0	Y - 164.9	
SHOREL PERCEN	INE ANGLE T OCCURRE	20 NGLE(REL = 46.40N = 190.0 NCE(X100	(DEG. 0) OF I	HEIGHT	WATER AND PER	OE PIH	= 40.20 = 10.0 Y DIREC	NZIZA. O MET	ERS	
HEIGHT(METERS)	4,4- 6	1- 8;1- 9.5	9.6- 10.5	PERIOR	11.8-1 13.3	5) 3.4~ : 15.3	15.4- 1 18.1	8.2- 2 22.2	2.3- LONGER	TOTAL
0.499 0.499 0.499 1.500 - 112.99 1.5500 - 227		5 5 3 3 8	:	:	:		:	:	·	0 11 52
1.50 - 1.99 2.00 - 2.49 2.50 - 2.99	- 8 2 :	3 3	:						:	34 8 0
99999999999999999999999999999999999999	•		:	:	:	:	:	:	:	1124800000
- 0.49 99999999999999999999999999999999999	3i 7	· · · · · · · · · · · · · · · · · · ·	Ö	Ö	Ö	Ö	Ô	Ö	Ö	8
MEAN HS(M) = 1.44	LARGES1	r HS(M) =	2.22	MEAN	TP(SEC)	= 6	.6 NUM	BER OF	CASES =	€4
BUACE	I CT 21	20	YEAD U	NUC DIE	PECTTON	CTATT	etteal	CI IMM A D	v	
MAVE A LAT. LI SHOREL PERCEN	PPROACH A DN. START INE ANGLE T OCCURRE	20 NGLE(REL = 46.40N = 190.0 NCE(X100	ATIVE (124.00 (DEG 0) OF 1	TO SHOP SW AZ J YEIGHT	ELINE I LAT. LCN WATER AND PER	N DEG	EES)= = 46.26 = 10.0	165.0 N/124. 0 MET TION	180.0 10W ERS	
HEIGHT(METERS)	4,4- 6	1- 8,1- 3.0 9.5	9.6- 10.5	PERIOD	(SECOND 11.8-1	S) 3.4- :	15.4- 1	8.2 <u>-</u> 2 22.2	2.3- LONGER	TOTAL
0 0.49 0.50 - 0.99 1.00 - 1.49	*6.40 °6	: :	:		:	:		:		1 0 0
0.499 0.500 - 12.499 1.500 - 22.499	•		:	:		:		:	:	0
99999999999999999999999999999999999999	•		:	:	:	:	:	:	•	00000000
- 0.49 0.50 - 0.49 1.500 - 1.49 1.500 - 1.29 1.500 - 1.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.59 1.500 - 4.50 1.500 - 4	i	 0 0	Ò	Ö	Ö	Ċ	Ö	Ċ	Ó	0
MEAN HS(M) = 0.44	LARGEST	HS(M) =	0.44	MEAN	TP(SEC)	= 4	.5 NUN	BER OF	CASES =	1

PHASE 3 ST. 21 20 YEAR STATISTICAL SUMMARY FOR ALL DIRECTIONS LAT. LON. START= 46.40N/124.00M LAT. LON. END= 46.26N/124.10M SHORELINE ANGLE = 190.0 (DEG AZ.) HATER DEPTH = 10.00 10 FERCENT OCCUPENCE(X100) OF HEIGHT AND PERIOD FOR ALL DIRECTIONS

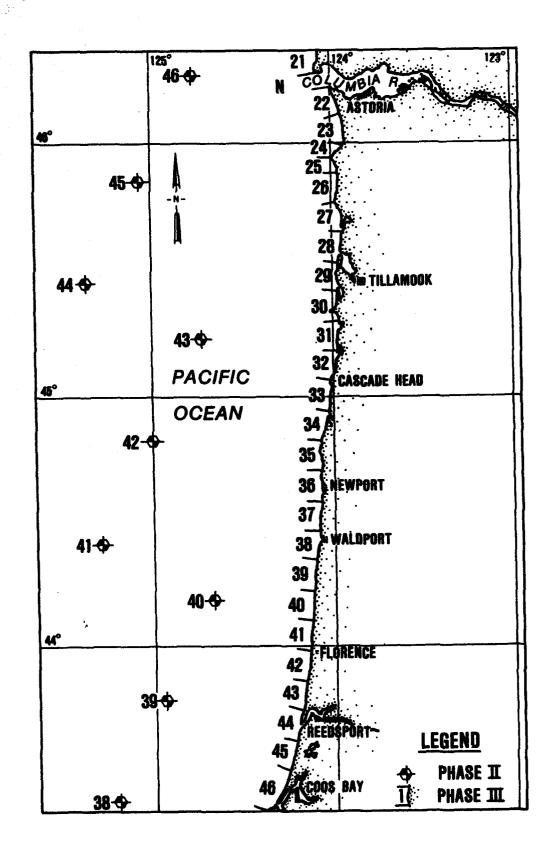
HEIGHT(METERS)	4.4-	6.1-	8.1-	9.6-	PERIO	SECOI		15.4-			TOTAL
99999999999999999999999999999999999999	6:0 41 113 167 28 	8 43527 166327 1 5 1 4 · · · · · · · · · · · · · · · · · ·	9:5 300 7587 3554 3552 94	10.5 6645 6075 607683 6075 6075 6075 6075 6075 6075 6075 6075	11.7 1970 1970 1930 1930 1930 1930 1930 1930 1808	3 153857667547 52074125510 245531 30 245531 30	15842918783 112329545947 11232115 11232115	18.1 1091 167779 122913	· · · · · · · · · · · · · · · · · · ·	22.35ER	737497792044 9065857785 58857785
MEAN HS(M) = 2.43	LARG	EST HS	5(M) =	7.29	MEAN	TP(SE	C)= 11.	O TOT	AL CAS	ES =	58440



HIS STATION 21 (46.40N/ 124.08W TO 46.26N/ 124.10W) MONTH

						DON	n						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	の421747707200915740157678080 いいようかかいいいようなかがいいいかかからなったい	ตาเก44ทองเครอดคอดคดคลากเกอ	ผลงานการการการการการการการการการการการการการก	MINOSTROMANO CONTRACTOR CONTRACTO	N7-89-8-167-99-17-15-86-89-9-18	מחחוונים מחוורים	4216642237764774744647941	היניה ביוסירטילייהורטיליים היניה ביוסירטילייה היים היים היים היים היים היים היים	6697476600577586609050	447-4808ณฑณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณ	กามากระการการการการการการการการการการการการการก	HOURING PUNUA POSTANAMANANAMANAMANAMANAMANAMANAMANAMANAMA	Zmnoggamangannungonogo Euronomannungonoman E
MEAN	3.3	3.2	2.9	2.5	1.8	1.5	1.4	1.3	1.6	2.6	3.4	3.6	
	LARGEST HS(METERS) BY MONTH AND YEAR MIS STATION 21 (46.40N/ 124.08M TO 46.26N/ 124.10M) MONTH												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y147890123456789012345	MOMALANOOMMA-MACHA-ARANAOA	09-1-m049@mmn-10-147-100	649494949989499999999999999999999999999	0-m400447m7-7-70mm7-0-1-140H	BOOM-1467-440MONAMONO-1	Service de la la la la la la la la la la la la la	om-idino-stydop-idesenydoron	ユータンドングラー・ウェー・ウェー・ウェー・ウェー・ウェー・ウェー・ウェー・ウェー・ウェー・ウェ	การาชายการเการาชายการาชายการาชายการาชายการาชายการาชายการาชายการาชายการาชายการาชายการาชายการาชายการาชายการาชายก	400-100-170-170-170-10-10-10-10-10-10-10-10-10-10-10-10-10	nunooonoonoonooooo	1-05-0-1473-1-707-9-04-159-00 1-05-0-1473-1-707-9-04-159-00	
20 YR.			S FOR				N 21	(46.4	0N/ 1			46.26N/	
MEAN S MEAN P MOST FI STANDA	EAK WEED DE	AVE P NT 30 VIATI	ERIOD O DE	GRĖE. HAVE	ロリ (CENT サミ・	ĖR) Ď	 IŘEČT	ion b	AND .	:: }	METER SECON DEGRE METER	(5) (5) (5) (5)	2.4 11.0 90.0

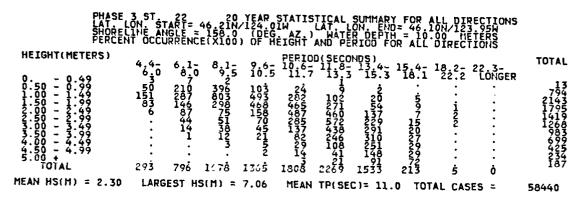
Appendix B: Sta 22 through 45

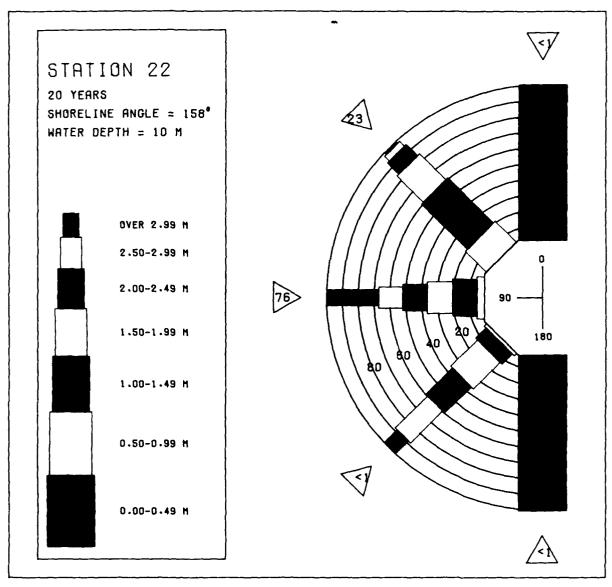


PHASE ALATIC PHASE ALATIC PHASE ALATIC PHASE ALATIC PHASE ALATIC PHASE PHASE ALATIC PHASE PHASE ALATIC PHASE	PPROACH ANGON START TO COURRENCE 4.4 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1	8 1 - 9 6 - 5 1 0 . 5	PERIODI 10.6-1		ISTICAL SUM SCREES;		TOTAL 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HEIGHT (METERS) - 0.499	4.4- 6.1- 6.0 8.0 142 3 989 165 181 160 1 20 1 1 1	20 YEAR LE (20 YEA	PERIOD(1 10.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1		ISTICAL SUM EGREES) = 15 10 = 46.10N/1 1H = 10.00 BY DIRECTIO - 15.4- 18.2 3 18.1 22.		TOTAL 115 1454 1544 21 00 00 00 00 00
PHASE AL SHORE AL SHO	4.4- 6.1- 6.0 8.0 347 1966 503 24762 503 22 6333 22 6334 	8 9 7 4 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	PERIOD (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SECO-11-15-16-68-60-95-74-83-75-75-95-16-58-65-83-85-85-85-85-85-85-85-85-85-85-85-85-85-	ISTICAL SUME EGREES) = 45	2 2 3- 2 LONSER : : : : : : : :	TOTAL 137 170644 1323166 6758466 17392 17392 17392 17392
PHASE ALAYOR LAVE ALAYOR LA	46-0 6.1-0 10 1253 47 1253 22 12468 3 792	20 LATE OF STANDARD S	PER 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	51.5 89572445564 93.1 89572445564 93.1 89572445564 15.6 89572445564 17.2 14953 17.2 1	ISTICAL SUMMERRICAL SUMMERS SUMMERS SUMER	22.3- 2 LONSER : : : : :	TOTAL 1015 6019900 510547920471 2019411 19181

PHASE WAVE SHORE IN THE IGHT (METERS) 0.500 - 10.499 1.500 - 10.499 1.500 - 10.499 1.500 - 10.499 1.500 - 10.499 1.500 - 10.499 1.500 - 10.499 1.500 - 10.499 1.500 - 10.499 1.500 - 10.499 1.500 - 10.499 1.500 - 10.499 1.500 - 10.499 1.500 - 10.499 1.500 - 10.499 1.500 - 10.499	4.4-0		9.6.5 10.5 11.5 11.68 14.68 14.68 14.68 14.68 14.68 14.68 14.68 14.68 16	PERIOD(S		4.5 15.4.1 3 18.1	SUMMARY 1005.03 -51 100 METERS 2710N 18.2- 22 22.2 LON	TOTAL
MEAN HS(M) = 3.06	LARGES	ST HS(M			P(SEC) =	9.6 NU	18ER OF CA	SES = 1383
PHASE WAYE SHORE WAYE		6.1- 8 8.0 :	20 YEAR WEELATIVE 124 0	PERIOD(1) 11.7	SECONDS 13.3 15	4- 15.4-	007123.956 00710N 18.2- 22.07	TOTAL JGER 0 3 3 1 0 0 0 0 0 0
MEAN HS(M) = 1.15	•	0 12 H 2 H 2) = 1.98	Ó MEAN TI	0 P(SEC) =	0 0 5.1 NU	0 0 1BER OF C	
	3 ST APPROÁCH LON. STAI LINE ANG NT OCCURI	22 ANGLE(I PT= 46. LE = 150 RENCE(X		HAVE DIPE TO SHOPE IN AZ HEIGHT AN	CTION ST. INE IN INTER DE NATER DE NATER DE SECONDS) 13.3 15	ATISTICAL DEGREES)= END= 46.1 PTH = 10.1 D By DIRE	SUMMIARY 165.3 -51 00/123 -51 00 METER TION 18.2- 22. 22.2 LON	180.0 TOTAL

MEAN HS(M) = 0. LARGEST HS(M) = 0. MEAN TP(SEC) = 0. NUMBER OF CASES = 0





MIS STATION 22 (46.21N/ 124.01W TO 46.10N/ 123.95W) MONTH

							• •						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E5555566666666777777 F99999999999999999999	จาก 648.66009.40เกษาการเกษา เหมาะการเกษาการเกษาการเกษาการเกษาการเกษาการเกษาการเกษาการเกษาการเกษาการเกษาการเกษา	8750497517998-17899948	697-629477779-67-92171-1024	าณขณะเพลานการการการการการการการการการการการการการก	21-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	incorrent de la transmission	2-15-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2	2022511440511114111111111111111111111111	46777855663866875887989	ณานานานานานานานานานานานานานานานานานานาน	ดาจอกออณขอเกอนเกรสุสุราท เมาณนากากกากเกมกากกากกากกาก	O7804446086496724974	Martinanananananananananananananananananana
MEAN	3.3	3.1	2.8	2.3	1.7	1.4	1.3	1.2	1.5	2.4	3.2	3.5	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 22 (46.21N/ 124.01W TO 46.10N/ 123.95W)

HTHOM

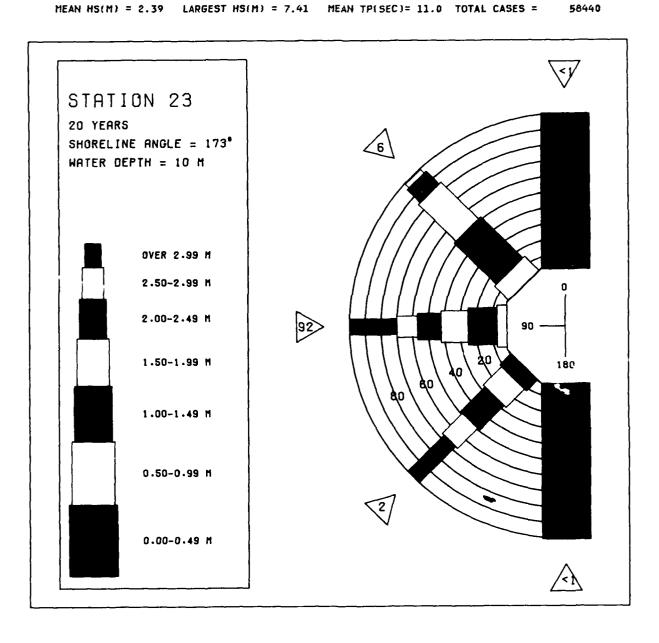
	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOA	DEC	
Y11177867890123456789012345 E5555666666789012345 E9699999999999999999999999999999999999	49-14m09m4mmm44a-19m46	นางจนางจะจะหนางการจอยเน	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	794007-194951277602084	พองเอาจงเลยของอยาเกอะเกระเกย พองเอาจงเลยของอยาเกอะเกระเกย	5907769748400044444A	407-197-8022-807-1009-657-0	อาจอาสุทธ์49อาสุดสุทธภอย จากจะสุทธ์49อาสุดสุทธภอย	กาเขอ4 องเชือาเกากจะเกิดออกแ งเกากจะเกิดออกแ	4444544775m4m444771182488	721721-009-1-06888828847746	052777700000000000000000000000000000000	

20 YR. STATISTICS FOR PACIFIC STATION 22 (46.21N/ 124.01W TO 46.10N/ 123.95W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2.3
MEAN DEAV HAVE DEDION (SECONDS)	11.0
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND : : (DEGREES)	60.0
STANDADD DEVIATION OF HAVE TO (SECONDS)	2:5
LARGEST WAVE HS 1 (METERS)	7.1
MÂVE TP ASSOCIATED MITH LARGEST MAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST MAVE HS (DEGREES) DATE OF LARGEST HS SOCIATED WITH LARGEST MAVE HS (DEGREES)	16.7
LARGEST WAVE HS 1010 AND HAVE HS 1010 AND	63102406

PHASE 3 ST 23 20 YEAR WAVE DIRECTION STATISTICAL SUMMARY WAVE APPROACH ANGLE (RELATIVE TO SHORELINE IN DEGREES) = 0 - 14.9 LAT. LON. START = 46.10N/123.95W LAT. DON. END = 46.00N/123.93W SHORELINE ANGLE = 173.0 (DEG. A7.) WATER DEPTH = 10.00 HETERS PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION	
HEIGHT(METERS) PERIOD(SECONDS)	TOTAL
4.4- 6.1- 8.1- 9.6- 10.6- 11.8- 13.4- 15.4- 18.2- 22.3- 6.0 8.0 9.5 10.5 11.7 13.3 15.3 18.1 22.2 LÖNGER 0.50 - 0.99 1.50 - 1.99 2.50 - 2.499 2.50 - 2.499 3.50 - 3.499 4.50 - 4.499 4.50 - 4.99 1.50 - 4.99 1.50 - 4.99 1.50 - 4.99 1.50 - 4.99 1.50 - 4.99 1.50 - 4.99 1.50 - 4.99 1.50 - 4.99 1.50 - 4.99 1.50 - 4.99 1.50 - 4.99 1.50 - 4.99 1.50 - 4.99	000 3000000
MEAN HS(M) = 0. LARGEST HS(M) = 0. MEAN TP(SEC) = 0. NUMBER OF CASES =	= 0
PHASE 3 ST. 23 (20 YEAR WAVE DIRECTION STATISTICAL SUMMARY HAVE APPROACH ANGLE(RELATIVE TO SHORELINE IN DEGREES)= 15.0 - 44.9 LAT. LON. STATE 46.10N/123.95W LAT. LON. ENDE 46.00N/123.93W SHORELINE ANGLE = 173.0 (10.65. AZ.) WATER DEPTH = 10.00 METERS PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION HEIGHT (METERS)	TOTAL
4,4- 6,1- 8,1- 9,6- 10,6- 11,8- 13,4- 15,4- 18,2- 22,3-	1012
4.4- 6.1- 8.1- 9.6- 10.6- 11.8- 13.4- 15.4- 18.2- 22.3- 0.50 - 0.99	162 162 162 162 162 162 162 162 162 162
MEAN HS(M) = 1.25 LARGEST HS(M) = 1.93 MEAN TP(SEC) = 5.2 NUMBER OF CASES =	= 121
PHASE 3 ST. 23 YEAR WAVE DIRECTION STATISTICAL SUMMARY WAVE APPROACH ANGLE (RELATIVE TO SHORE!INE IN DEGREES) = 45.0 - 74.9 LAT. LON. STATE 46.10N/123.95W LAT. LON. END = 46.00N/123.93W SHORELINE ANGLE = 173.0 (BACKET PEPTH = 10.00 METERS PEPCHT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION	
HEIGHT(METERS) 4.4- 5.1- 8.1- 9.6- 10.6- 11.8- 13.4- 15.4- 18.2- 22.3-	TOTAL
HEIGHT(METERS) 4.4- 5.1- 8.1- 9.6- 10.6- 11.8- 13.4- 15.4- 18.2- 22.3- 0.0- 0.49 0.50 - 0.49 1.00 - 1.49 1.00 - 1.49 1.00 - 2.49 1.00 - 2.49 1.00 - 2.49 1.00 - 2.49 1.00 - 3.49	30240957360 4769250384 3863221 14141
MEAN HS(M) = 1.75 LARGEST HS(M) = 4.99 MEAN TP(SEC) = 8.9 NUMBER OF CASES	= 14985
PHASE 3 ST. 23 20 YEAR MAVE DIRECTION STATISTICAL SUMMARY WAVE APPROACH ANGLE(RELATIVE TO SHORELINE IN DEGREES)= 75.0 - 104.9 LAT. LON. START= 46.10N/123.95W LAT. LON. END= 46.00N/123.93W SHORELINE ANGLE = 173.0 (DEG. AZ.) WATER DEPTH = 10.00 METERS PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION	
HEIGHT(METERS) 4.4- 6.1- 8.1- 9.6- 10.6- 11.8- 13.4- 15.4- 18.2- 22.3- 6.0 9.5 10.5 11.7 13.3 15.3 16.1 22.2 LONGER 0.50 - 0.49 39 542 1960 549 165 54 15 3 1	TOTAL
4.4- 6.1- 8.1- 9.6- 10.6- 11.8- 13.4- 18.2- 22.3- 15.0- 0.99 3.9 542 19.60 5.49 15.00 - 1.49 3.9 542 19.60 5.49 15.00 - 1.49 3.9 542 19.60 5.49 16.29 6.26 1.50 3.5 3.	7474568039923 72834135473 761169755478 711169865578

	3 ST 23 PPROÀCH ANG DN. STAPT= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIVE 46.10H/123 173.0 (DE E(X1000) OF				TICAL SUN EES)= 105 46.00N/] = 10.00 DIRECTIO	MARY 5.0 - 134.9 123.93W METERS ON	
HEIGHT(METERS)	464- 681-0	8.1- 9.6 9.5 10.	PERIOR - 10.6-	113.3	(§) 3.4- 1	5.4- 18.3 18.1 22.	2- 22.3- 2 LONGER	TOTAL
0.499 0.499 1.999 1.500 - 12.499 1.5000 - 23.499 22.5000 - 44.99 4.500 - 44.99	10 126 377 1456 1456 1456 1456 1456 1456 1456 1456	35 114 176 1276 1276 1276 1276 1276 1276 1276	12119034784	2634111 26341111 263411111 600	235359 235359	3	i i	18320051885 5968277632 245674211
MEAN HS(M) = 2.90	LARGES! H	S(M) = 6.30	MEAN	TP(SEC)	; = 10.	2 NUMBER	OF CASES	2232
PHASE ALL LANGE ALL LANGE LANG	3 ST 23 PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIVE 46.10N/123. 173.0 (DE E(X1000) OF						
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6 9.5 10	PERIO	O SECONI)§) [3,4- 1	5.4- 18.2	2- 22.3- 2 LONGER	TOTAL
- 0.499 - 0.499 - 1.223 - 1.223 - 1.223 - 1.223 - 1.499 - 1.223 - 1.499 - 1.49	464-0 681-0 5 i 5 i 3	9.5 10 :	, i	13.3		Ď (i i i i i i i i i i i i i i i i i i i	15,630000000
MEAN HS(M) = 1.08	LARGEST H	S(M) = 1.64	MEAN	TP(SEC)) = 5.	7 NUMBER	OF CASES :	= 10
PHASE ALAYE ALAYE ALAYE ALAYER	3 ST. 23 PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	LE(RELATIVE 46.10N/123 173.0 (DE E(X1000) OF						
HEIGHT(METERS)	4,4- 6,10	8,1- 9,6 9.5 10	PERIO	DISECOND	(3) (3) (4) 1	5.4- 18.2 18.1 22	2- 22.3- 2 LONGER	TOTAL
0.4999999999999999999999999999999999999		ò	ò			ò		00000000000
MEAN HS(M) = 0.	LARGEST H	31(11) + U.	MASIT	TP(SEC)) = 0.	ושמחטא	R OF CASES =	= 0



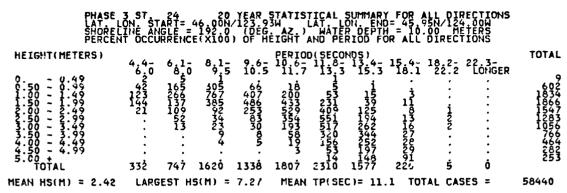
HIS STATION 23 (46.10N/ 123.95W TO 46.00N/ 123.93W)
MONTH

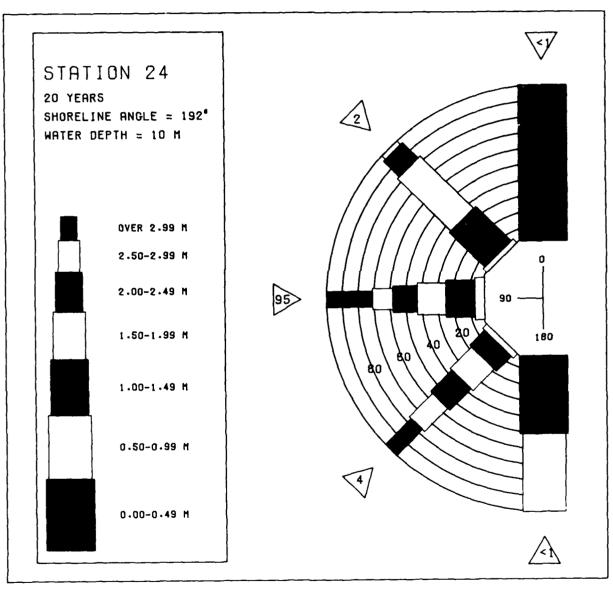
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
No. 200 101 101 101 101 101 101 101 101 101	Secretarious de la constitue d	97-974-4849-009-19-19-19-19-19-19-19-19-19-19-19-19-19	ののののこのできませんということのできません	พระทางการการการการการการการการการการการการการก	2-1-1-1-2-1-1-1-2-1-1-1-1-1-1-1-1-1-1-1	99999999999999999999999999999999999999	MANAGEMENT MANAGEMENT AND MANAGEMENT	תורות מולים ליים המולים המ מולים המולים	56874666747747598049	nnon7772m646h6h70746	7.ก.ค. 4.ณ. ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.	าเลย - คระสาย คระสาย - คระสาย - คระสาย - คระสาย - คระสาย - คระสาย - คระสาย - คระสาย - คระสาย - คระสาย - คระสาย	2 4 พายายายายายายายายายายายายายายายายายายาย
MEAN	3.4	3.2	2.9	2.4	1.8	1.4	1.3	1.3	1.6	2.5	3.3	3.6	
				ARGES	T HEI	METER	61 B V	MONT	14 ANSIN	YEAR	1		
		WIS S	TATIO			.10N/	-	95W T			123.9	3H)	
						MONT	H						
	JAH	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	90-1900014421-26921490 6466661961565641566666	88-19505-65-50005-50-00-00-00-00-00-00-00-00-00-00	5274979497079844564564	9-14-1009-14-47-7-45-7-10-10-10-10-10-10-10-10-10-10-10-10-10-	המתחחות מנול לאת המתחמות המולים לאת המתחמות המולים לאת המתחמות המולים לאת המתחמות המולים לאת המתחמות המולים ל	ง	งางงางการการการการการการการการการการการการการก		ผาสาขานายายายายายายายายายายายายายายายายายาย	44445455555555555555555555555555555555	8727466674666746565666	162m84-159486784861-16	

20 YR. STATISTICS FOR PACIFIC STATION 23 (46.10N/ 123.95H TO 46.00	N/ 123.93W)
MEAN SIGNIFICANT MAVE HEIGHT	21.00 91.547
LARGEST HAVE HS WAVE TP ASSOCIATED WITH LARGEST HAVE HS VERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	63102406

PHASE ALAMOR PHASE ALAMOR PER PHASE ALAMOR PER PHASE PER	STICH ANGONIC START OF THE ANGLE START OCCURRENCE START O			ONDS) - 13,4- 15,3 16 - 15,3 16 - 16 - 16 - 16 - 16 - 16 - 16 - 16 -		Z 3_ TOTAL LÖNGER . 00 . 00 . 00 . 00 . 00 . 00 . 00 . 0
PHASE ALASE MAYE ALASE MEAN HS(M) = 0.	3 ST 24 PPROACH ANG ON START = INE ANGLE = IT OCCURRENC 4.4- 6.1- 6.0 8.0 	: : : : : : : : : : : : : : : : : : :	AVE DIRECTI TO SHORELIN 3M AZ HAT HEIGHT AND PERIOD(SEC 10.6-11.8 11.7 13.	ONDS) - 134- 153 3 15.3 18		TOTAL 2.3- LÖNGER 00 00 00 00 00 00
	4.4- 6.1- 10 8.0 148 80 944 230 132 610 138 444 109 10 10 10 10 10 2372 1487	20 YEAR E (RENT 123 E (RENT 12	PERICO(SEC 1006-113.		4- 18.2- 2 11 22.2 1	TOTAL 2.3- LÔNGER
PHASE ALL PHASE	4.4-0 6.4-9 6.8-9 1572-6-63-9 2255-6-532-6-6-5-2-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-	20 YAT 123 E 6 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	PER 10D (113, 135, 136, 136, 136, 136, 136, 136, 136, 136	ONDS 1 15 15 15 15 15 15 15 15 15 15 15 15 1	4- 18.2	Y - 104.9 OOK 23- LÔNGER - 157-79523384 - 165-79523384 - 165-79523384 - 165-79523384 - 165-79523384 - 165-7952338 - 165-795238 - 165-795238 - 165-795238 - 165-79528 -

PHASE HAYE AF LAYE AF SHOREL PERCENT	S ST PROÁCH ON. STAR INE ANGL I OCCURR	4 ANGLE(R T= 46.0 E 192 ENCE(X1	O YEAR WELATIVE ON/123.9 .0 (DEG 000) OF	AVE DIR TO SHOR 3W L AZ.) HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIST N DEGRE END= DEPIH = 100 BY	ICAL SUM ES)= 105 45.95N/1 10.00 DIRECTIO	MARY .0 - 134.9 24.00W METERS	
HEIGHT(METERS)	4.4- 6	il- 8	1- 9.6- 5 10.5	PERIOD 10.6-	11.8-1 13.3	S) 3,4- 15	.4- 18.2 8.1 22.	- 22.3- 2 LONGER	TOTAL
0.50 - 0.49	4.4-0 6 i 8 1 1 46 15 1	1- 8.9 58 10 58 10 58 30 78 30 78 14 20 6			13.3	15.3 1	8.1 22.	2 LONGER	221
1.50 - 1.45	46 1	78 35 78 30	ģ 187	260 260	7 5	· Ż	: :	:	640 906
2.00 - 2.49 2.50 - 2.99	15 1	89 19	248	426 305	215 313	32 71	3 :	•	1227
99999999999999999999999999999999999999	:	58 10 500 35 78 30 983 14 1	7 30776875033 109408213 122881	1206522228 2432	75 75 213 213 214 214 3	321 777 1111 618	· ·	:	3-10-67-483-862 2-69-227-421 111
4.50 - 4.99 5.00 +	<u>:</u>	•	. 3	1	149 3	61 18	<u>.</u>	:	126
0.50 - 0.49 0.50 - 1.49 1.50 - 1.49 2.50 - 2.49 2.50 - 3.49 3.50 - 3.49 4.50 - 4.99 5.00 + 4.99 5.00 + 4.99 TOTAL MEAN HS(M) = 2.50		40 118 T HS(M)		1589 MEAN	1209 (TP(SEC)		li Ö NUMBER	OF CASES =	3447
HEAR HS(H) - 2.50	LARGES	11 113(11)	- 9.50	HEAR	17(320)	- 10.0	HOUBER	OF CASES -	, 2447
DUACE :	. et 9	2	O VEAD II	AVE DIE	ECTION	CTATTCT	TCAL CIM	MADY	
WAYE AF LAT. LO	PRÓÁCH DN. STÁR	ANGLE(Ř	ELATÎVE ON/123.9	ŢġʻsHōR	ELINE I	N DEGRE	ES 1= 135	.0 - 164.9 24.00W	
SHOREL PERCEN	THE ANGL	ENČE (XI	000) OF	HEIGHT	MATER AND PER	DEPTH = IOD BY	ICAL SUM ESI= 135 45.95N/1 10.00 DIRECTIO	HETĒRS N	
HEIGHT(METERS)					(SECOND 11.8- 1 13.3				TUTAL
0 0.49		8.0 8	1- 9.6- 5 10.5	iii.7	13.3	Ĭ5.3 Ĩ	8.1 22.	2 22.3- 2 LONGER	. 0
- 0.49 0.50 - 1.99 1.500 - 12.499 1.550 - 2.499 2.550 - 3.499 3.500 - 4.99 4.550 - 4.99 5.000 + 4.99	1 1 8	47 22 8	<u>i</u> :	:	:	:	: :	•	1633800000
2.50 - 2.49	•	8	: :	:	:	:	: :	•	38
3.00 - 3.49 3.50 - 3.99	•	:		:		:		•	Ŏ
4.00 - 4.49 4.50 - 4.99	:	:	: :	:	•	•	: :	•	ŏ
TOTAL	3 i	8Ô	4 6	Ġ	Ġ	Ġ	Ö Ö	Ö	ŭ
MEAN HS(M) = 1.43	LARGES	T HS(M)	= 2.20	MEAN	TP(SEC)	= 6.7	NUMBER	OF CASES =	70
PHASE THAVE A	S ST. 2 PROÁCH	ANGLE (R	D YEAR H	AVE DIE	ECTION I	STATIST N DEGRE	ICAL SUM ES 1= 165	MARY .0 - 180.0 24.00W METERS	
LAT. LO SHOREL	DII. STAR INE ANGL	T= 46.0 E = 192	0H/123.9	SW Z.	AT LON	OEPTH =	45.95N/1 10.00	24.00W METERS	
HEIGHT(METERS)									TOTAL
	4640 6	8.0 8	1- 9.6- 10.5	10.6-	(SECOND 11.8- 1 13.3	3.4- 15 15.3 1	.4- 18.2 8.1 22.	- 22.3- 2 LONGER	, orac
0.50 - 0.49 0.50 - 0.99	·	:	: :	:	:	:	: :	•	10
1.50 - 1.99	:	:	: :	:	•	:	: :	•	ŏ
2:50 - 2:99 3:00 - 3:49	:	:		:	:	:		:	ŏ
- 0.499 - 0.499 - 1.223.499 - 1.55000 - 2.33.499 - 2.33.499 - 33.499	:	:	: :	•	•	:	:	•	100000000000
0.50 - 0.49 0.500 - 1.99 1.500 - 12.49 2.500 - 3.49 3.500 - 3.49 3.500 - 4.99 3.500 - 4.99 5.00 + 10TAL	i	Ö	 ó ó	Ó	Ġ	Ö		ů	ŏ
MEAN HS(M) = 0.42	LARGES	T HS(M)	-	•	TP(SEC)	-	•	OF CASES =	1





HIS STATION 24 (46.00N/ 123.93W TO 45.95N/ 124.00W)

						MONT	и и					••••	
	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R67890123456789012345 E909090909090909090999	งงารายานายายายายายายายายายายายายายายายายาย	07.1544m8209.0099999.1415.68	and and addition of the second	200476-00-614-10-69-8782	27-17-10-4-1-27-1-15-6-6-9-0-18	6mmm44in040mmm444r000	42655225645454645	הוקהלים מינוים ביותר היותר היו	669747668577586899550	4474888วเกาอเกอเกอเกา-เฮเกอ	กราสาราชาวิทยาการการกราชาวิทยาการาชาวิทยาการาชาวิทยาการาชาวิทยาการาชาวิทยาการาชาวิทยาการาชาวิทยาการาชาวิทยาการ	0-000-0022-มาการสาการสาการสาการสาการสาการสาการสาการ	Non-044-m4th4mmodothoboo Economodothomomodothomod M
MEAN	3.3	3.2	2.9	2.5	1.8	1.5	1.4	1.3	1.6	2.6	3.3	3.6	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 24 (46.00N/ 123.93W TO 45.95N/ 124.00W)

MONTH

	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NGV	DEC
R67890123456789012345 E5555666666666777777 E59599999999999999999	งอกงงอองสาราการงงงกรุง เกรายกระทราการงงงกรุง	04466664446666414666666	699494N698M4M67M670M	9-13-4-4-13-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4	MANAMANA ANAMANANANANANANANANANANANANANA	いっというというというというというというというというというというというというというと	971-800-171-6-180000000000000000000000000000000000	นะเลงการเกราะการเกราะการเกราะการเกราะการเกราะการเกราะการเกราะการเกราะการเกราะการเกราะการเกราะการเกราะการเกราะก	7-178622เก็บสามารถเก็นสามารถเก็บสามารถเก็บสามารถเก็บสามารถเก็บสามารถเก็บสามารถเก็บสามา	400100000194440449000	999944097-1404000005559	100001404170000000000000000000000000000

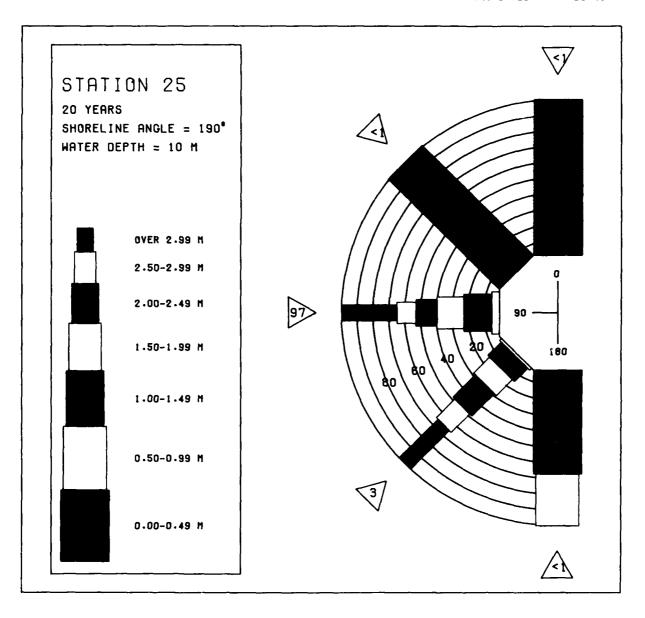
20 YR. STATISTICS FOR PACIFIC STATION 24 (46.00N/ 123.93W TO 45.95N/ 124.00W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECONDS)	2.4
MEAN SIGNIFICANT HAVE HEIGHT MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND STANDARD DEVIATION OF HAVE HS	11.4 90.0
STANDARD DEVIATION OF WAVE TO (SECONDS)	1.1 2.5 14.3 14.3 63102409
LARGEST WAVE HS (METERS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS)	14:3
LARGEST HAVE HS WAYE TP ASSOCIATED WITH LARGEST WAVE HS (METERS) WAYE TP ASSOCIATED WITH LARGEST WAVE HS (DEGREES) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	63102409

PY ASE WATER PY ASE WATER PY ASE WATER POPEL PARTY PAR	3 ST 25 APPROACH ANGLE = LINE ANGLE = LINE ANGLE = 1 COCCURRENCY	8.1- 9.6.5 9.5 10.5 		0NDS) - 13.4- 15.4 3 15.3 18.	AL SUMMARY 12-14-15-16-16-16-16-16-16-16-16-16-16-16-16-16-	TOTAL R 000
PHASE WAYE SHORE PERCE HEIGHT (METERS) 0.499 0.500 - 24.99 0.500 - 24.99 0.500 - 24.99 0.500 - 24.99 0.500 - 37.49 0.500 - 4.99 0.500	3 ST 25 APPROACH ANGI LON. STAFT 1 LINE ANGLE = NT OCCURRENC! 4.4- 6.1- 6.0 8.0	8.1- 9.6- 9.5 10.5 		0NDS) 3 15.4 15.4 3 15.3 18.3 	AL SUMMARY 3-44 3-807/123-96W 0-100 METERS RECTION - 18.2- 22.3- 1 22.2 LONGE	TOTAL R 000000000000000000000000000000000000
PHASE WAYE SHORCE SHERE SHORCE HEIGHT (METERS) 0.500 - 499 1.500 - 499 2.500 - 499 2.500 - 499 2.500 - 499 2.500 - 499 4.99 5.000 - 409 4.99 5.000 - 409 6.000 -	3 ST . 25 APPROACH ANG LON: START = 1 LINE ANGLE = 1 NT OCCURRENCI 4.4-6.1-6;0 8.0 35 124 	8 1- 9 6-5 9.5 16.5 i : : : : : : : : : : : : : : : : : : :	PERIOD(SECONDE 10.6-11.8-11.7 13.5-1	ONDS) - 13,4- 15,4 3 15,3 18	AL SUMMARY 7 74 88 1 2 2 3 - 74 8	TOTAL R 359 209 42 00 00 00
PHASE WAYE LATOR PHASE WAYE LATOR PHASE PERCE PHASE PERCE PHASE PERCE PHASE PH	4.4- 6.1- 6.3 2.7 2083 12.79 335 11119 8 472 	20 YEAT 12 DEF 20 YAT 12 DEF 21 STAN 1 2 DEF 21 STAN 2 DEF 21 STAN 2 DEF 21 STAN 2 DEF 21 STAN 2 DEF 21 STAN 2 DEF 21 STAN 2 DEF 21 STAN 2 DEF 21 STAN 2 DEF 21 STAN 2 DEF 21 STAN 2 DEF 21 STAN 2 DEF 21 STAN 2 DEF 21 STAN 2 DEF 21 STAN 2 DEF 22 STAN 2 DEF 23 STAN 2 DEF 24 STAN 2 DEF 25 STAN 2 DEF 26 STAN 2 DEF 27 STAN 2 DEF 27 STAN 2 DEF 28 STAN 2	PERIOD (5EC) 10.6-11.30 10.6-11.3	2003555034449 100344499637020 10054549966449966649931 10054549966649966499 10054549966649966499 10054549966649966499 10054549966649966499 10054549966649966499 10054549966649966499 10054549966649966499 10054549966649966499 1005454996664996669 100545499666499669 100545499666499669 100545499666499669 1005454966669 10054549966669 100545496669 100545496669 100545496669 100545496669 100545496669 100545496669 10054549669 10054549	AL SUMMARY 1 75.0 - 104 188N/123 96W 1800 METERS RECTION 18.2- 22.3- 122.2 LONGER 42 3 22 8 1 92	TOTAL 738 46578 16015 11116 1116 116 116 116 116 116 116 116 116 116 116 116 116 116 11

PHASE AND AND AND AND AND AND AND AND AND AND	ST PROACH N. STAR NE ANGI OCCURR	ANGLE(I RI= 45. E = 19. RENCE(X	20 YE/ RELATI 95N/12 0 0 (ECTION ELINE I AT. LON WATER AND PER		TICAL S EES)= 1 45.88 = 10.00 DIRECT	SUMMARY .05.0 - 1/123.9 . METE ION	134.9 6W RS	
HEIGHT(METERS)	4,4- 6	s.1- 8 8.0	.1- S	.6.5 !	PERIOD 10,6-	(SECOND 11.8- 1 13.3	S) 3.4- 1 15.3	5.4~ 18 18.1 8	2- 22	.3- OKGER	TOTAL
0 0.49 0.50 - 0.99 1.00 - 1.49	27 1			i		:	:	:	:	:	234 591
1.50 - 1.99 2.00 - 2.49 2.50 - 2.99	23 3	45 84 85 12 14 10 13	6136145566	231 253 268	135 349 314	107 181	1 1 1	i	:	:	866 1056 1003
99999999999999999999999999999999999999	:	10 1	55] 56	13133313331333133313331333133313331333	1341614330 13416143330 15110	331 321 152	11 58 70 80	i	:	:	25966631 10077730 10077730
0. 100 + 100	59 7	703 12		17 196 :	5 <u>3</u> 1610	6771 183215969 125215969	60 68 82 370	3 13	Ö	Ö	236 170
MEAN HS(M) = 2.76	LARGES	ST HS(M) = 6.	.51		TP(SEC)	= 10.	4 NUME	ER OF	CASES =	3747
PHASE 3	S 5T. 8	25	20 YE/	AR WAY	VE DIR	ECTION	STATIS	TICAL S	SUMMARY		
WAVE AF LAT LC SHOREL	PROACH N. STAF NE ANGI	ANGLE(T = 45 E = 19	RELATI 95N/12 0.0	VE TO	O SHOR AZ.)	ECTION ELINE I AT. LCN WATER AND PER	N DEGR END= DEPTH	EES)= 1 45.88h = 10.00	35.0 1/123.9 METE	164.9 64 RS	
											TOTAL
0.50 ~ 0.49	4640		9.5 i	io.5	111.7	(SECOND 11.8- 1 13.3	15.3	5.4- 18 18.1 2	2.2 "[ONGER	, 1
0.499 0.499 0.499 0.499 1.2233.499 1.2233.499 1.2233.4	115	11 32 20 8	į	:	:	:	:	:	:	:	12489000000
2.50 ~ 2.99 3.60 ~ 3.49	:	:	:	:	•	•	:	:	:	:	ó O
4.50 ~ 4.49 4.50 ~ 4.99	:	:	:	:	:	:	:	:	:		000
TOTAL MEAN HS(M) = 1.40	18	7 1 St HS(M	5 1 = 2	Ó 46	Ó Mean	Ó TP(SEC)	d = 6.	Ó O NIIME	Ó IED DE	Ò Cases =	59
71200 110(11) = 2140	EANUE		, .		11EAI1		- 0.	, ,,,,,,,	, E. ().	U AJEO *	3,
PHASE HAVE A	S ST PROACH	25 ANGLE(20 YEA	R HAY	VE DIR	ECTION ELINE_I	STATIS N DEGR	TICAL S	UMMARY	180.0	
LAT. LO SHORELI PERCENI	N. STAF INE ANGI OCCURF	RT= 45. RE = 19 RENCE(X	95N/12 0.0 1000}	DÉG OF HI	M AZ.) EÎGĤT	ECTION ELINE I AT. LON WATER AND PER	DEPTH IOD BY	45.680 10.00 DIRECT	1/123.9 HETE TON	6W RS	
HEIGHT(METERS)						(SECOND					TOTAL
0.499 0.499 0.11.2933 0.50000 0.5000 0.5000 0.5000 0.5000 0.5000 0.5000 0.5000 0.5000 0.50000 0.5000	i	:	y.5 .	:	:	:	:	; ;	:	:	1
1.50 - 1.93	:	:	:	:	:	:	:	:	:	:	ŏ
3.00 - 3.49 3.50 - 3.49	:	:	:	:	:	:	:	:	:	:	4000000000
0.499 0.499 0.499 1.500 - 1.223 1.5500 - 1.223 1.5500 - 1.334 1.5500 - 1.334 1.55	:	: å	: à	: 0	: ò	: ò	: ò	: ò	: ò	: ò	ň
MEAN HS(M) = 0.49	LARGE!	эт нэсм	•	•	-	TP(SEC)	-	-	-	CASES =	1

PHASE LAT. L SHOREL FERCEN	3 ST ON STA INE AND IT OCCUP	25 ART = 4 SLE = RENCE	20 5.95N/ 190.0 (X100	/124.00	STATIS OW AZ) ÈIGHT	TICAL LAT. L WATE AND PE	SUMMARY ON. END R DEPTH RIOD FO	FOR A = 45.8 = 10.	LL DIR BN/123 00 ME DIRECT	ECTIONS 96W TERS IONS	
HEIGHT(METERS)	4.4- 6.0	6,1-	8,1-	9.6- 10.5	PERIOR	11.8- 11.8-	13.4-	15.4- 1 18.1	18.2-	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	27 68 36 1	147 313 131 152 168 2	1675	502958892 37822149282 1149282 1435	169681368254 145883442131 185	159093694366 3796526143 124542143 2	126651866006 126620675466 126222355	· · · · · · · · · · · · · · · · · · ·			748138 4739386164 47393861646 47636646
$MEAN\ HS(M) = 2.62$	LARGE	ST HS	(M) =	7.42	MEAN	TP(SE	C)= 11.	2 TOT	AL CAS	ES =	58440



MIS STATION 25 (45.95N/ 124.00M TO 45.88N/ 123.96M)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	HOA	DEC	
R67890123456789012345 45555666666666777777 E90909999999999999	nos-transparantandana	MATANAMANAMANAMANAMANAMANAMANAMANAMANAMA	การการและการการการการการการการการการการการการการก	7.0415.00 การเกิด พ.ส. 4.4.4.6.40 สารา	499-10267-99-14407-102503-1	74747668695847568897	MANUAL MA	7-14-14-1607-14-2-15-16-14-14-14-14-14-14-14-14-14-14-14-14-14-	67995679859959609271	มาของอย่องรอบอย่อง	กากกระทางการการการการกราช	524444355554554555455545554555455545555555	M. C.
MEAN	3.7	3.6	3.2	2.6	1.9	1.6	1.4	1.3	1.7	2.8	3.6	4.0	

LARGEST HS(METERS) BY MONTH AND YEAR

HIS STATION 25 (45.95N/ 124.00W TO 45.88N/ 123.96W)

MONTH

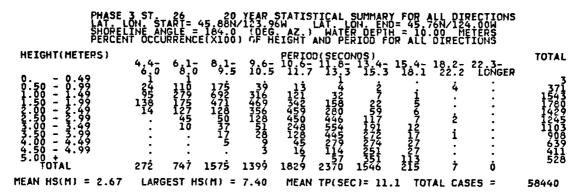
	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	0466665566655721482	10424190914701155158 65666646555566656665	ดดหจางนองมากาเอานองมาสุท เกเมนาสามากระหวางสามาการ	79426295464959960042	การสาราชายงเกราจากระบารมาการกระบารมาการกระบารมาการกระบารมาการมาการมาการมาการมาการมาการมาการมา	งเงางาาการงานการงานการงาน	2017207825249557996790	19444587492949824720	749862792m6497092276	6001114644471173030745	905250000000000000000000000000000000000	88754905747011618X71

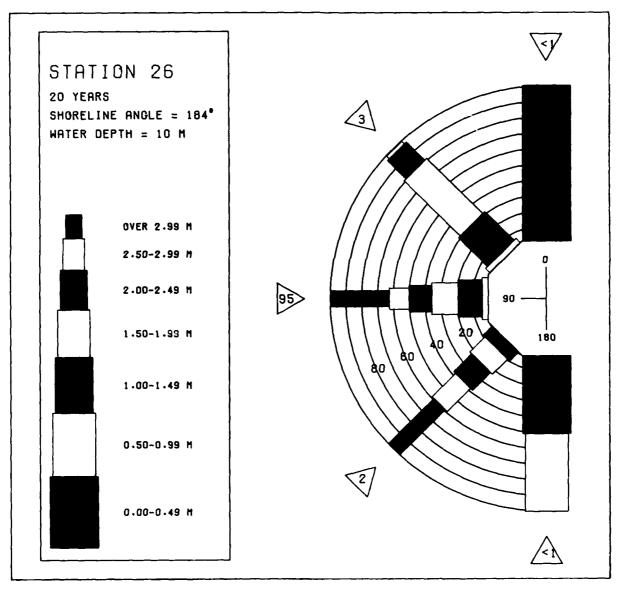
20 YR. STATISTICS FOR PACIFIC STATION 25 (45.95N/ 124.00M TO 45.88N/ 123.96M)

MEAN SIGNIFICANT MAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (CENTER) DIRECTION BAND (SECONDS) MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	2.6 11.2 90.0
STANDARD DEVIATION OF WAVE HS (METERS)	90.0 1.3 2.3 7.4
STANDARD DEVIATION OF WAVE TP	7:4 14:3
LARGEST WAVE HS WAVE TO ASSOCIATED WITH LARGEST HAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	14.3 88.3 63102409

PHASE WAVE A LAT A SHOREL PERCEN	3 ST 20 APPROACH ON STAR INE ANGLI IT OCCURR	20 ANGLE(REL T= 45.88N E = 184.0 ENCE(X100	YEAR WATIVE 1 2123.96 (DEG.	VE DIR TO SHOR SW L AZ) HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATI N DEG END DEPTH IOD E	STICAL REES)= 1= 45.7 1 = 10. SY DIRE	SUMMA 0 6N/124 00 ME CTION	RY - 14.9 - TERS	
HEIGHT(METERS)					(SECOND				22.3- LÖNGER	TOTAL
0.4999999999999999999999999999999999999	6.0		:	:	:		:	:	LÓNGER	0000000000
TOTAL MEAN HS(M) = 0.	0 Larges	0 0 THS(M) =	0 0.	0 Mean	0 TP(SEC)	0 = 0	0). NU	Ó MBER C	0)F CASES =	0
	•		.,						• • • • • • • • • • • • • • • • • • • •	
	3 ST. 20 APPROACH LON. STAR INE ANGL IT OCCURR						STICAL REES)= 1= 45.7 1 = 10. 3Y DIRE	SUMMA 15.0 6N/124 00 ME CTION	RY - 44.9 - 100W TERS	
HEIGHT(METERS)	4.4- 6 6.0	.1.0 8,1.5 3.0 9.5	9.6- 10.5	10.6- 11.7	(SECOND 11.6-1	3.4- 15.3	15.4- 18.1	18.2- 22.2	22 3- LONGER	TOTAL
99999999999999999999999999999999999999	: : :	: : : : : : : : : : : : : : : : : : :		· · · · · · · · · · · · · · · · · · ·				·		1270000000
MEAN HS(M) = 1.42		T HS(M) =	1.99	-	U TP(SEC)	= 5	.3 NU	MBER C	U F CASES =	83
	3 ST APPROACH STAR LINE ANGL IT OCCURR	6 ANGLE(REL T= 45.85 E= 184.0 ENCE(X100	YEAR WATIVE 123.90 (DEG		ECTION ELINE I AT. LON WATER AND PER		(STICAL REES)= 1= 45.7 1 = 10. 3Y DIRE	SUMMA 45 6N/124 00 ME CTION	ARY 74.9	
HEIGHT(METERS)										
99999999999999999999999999999999999999	4.4- 6 100 2 126 7 1250 8 118 8 	8 9 1 3 1 3 3 3 1 3 3 3 1 3	9.6.5 352 311 · · · · · · · · · · · · · · · · · ·	PERIOD 10.67	(SECONO 11:8-1 13:3 3 	3,4- 15.3	15.4- 18.1 : : : :	18,2- 22.2	22.3- LONGER : : : : : : :	1155 1455 1727 1027 1027 1027 1027 1027 1027 1027
- 0.49 - 0.49 - 1.29 - 1.29 - 1.29 - 1.29 - 2.39 - 2.39 - 2.39 - 2.39 - 3.39 - 3.39	2244 29	41 73224555 10 30224555 10763 355 10763 355 10763 355 10763 355 10763 355	·552 32 31 67	· 61 · · · · · · · · · · · · · · · · · ·	· 3 · · · · · · · · · · · · · · · · · ·				22.3- LÖNGER	115531 4727311 172727 121027 12000
MEAN HS(M) = 1.68	2244 29	41 73224 190 1904 1979 655 1979 35 1	55 22 31 1 67 3.78 YEARVE 90 1123 1123 1123 1123 1123 1123 1123 112	AVE DIR	3 : : : : : : 3 TP(SEC)	0 = 6 STATION END			: : : : : : 0 0 OF CASES =	115531 4727311 172727 121027 12000

PHASE WAVE A LAT SHOPEL PERCEN	3 ST 26 PPROÀCH ANG ON. START= INE ANGLE : T OCCURRENC	20 YEA LE(RELATI 45.88N/12 184.0 (E(X1000)	R WAVE DI VE TO SHO 3.96W DEG. AZ.) OF HEIGHT	RECTION RELINE I LAT. LON WATER AND PER	STATIST N DEGRE DEPIH = DEPIH = 100 BY	[CAL SUMM/ ES]= 105.(45.76N/124 10.00 M DIRECTION	ARY 0 - 134.9 1 00W ETERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9	PERIO 0.6- 10.6- 0.5 11.7	113.3	\$) 3.4- 15	4- 18.2- 3.1 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999		16	: :	:	15.3 1	3.1 22.2 : :	CONGER :	20
1:50 - 1:49 2:50 - 1:49 2:00 - 2:49	8 107 20 157 3 83 . 47 . 13	1919 1979 1976 1976 1935 1	18 21 51 81 164	43	:	:	•	322 531 663
2.50 - 2.99 3.60 - 3.99	: 47	195 2 133 1	01 302 07 260	. <u>8</u> 2 326	2.2 2.2	i :	:	831 719
99999999999999999999999999999999999999	: :	13 1	18 164203320 12800722117223 12800722117234	35 488357 1275 1275 107	3 22 47 47 47 49 236		:	5236317509 5236317509 356876321
TOTAL	37 440			000		§ .	Ò	194
MEAN HS(M) = 2.99	LARGEST H	S(M) = 6.	72 MEAN	TP(SEC)	= 10.4	NUMBER (F CASES =	2674
	3 ST PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	20 YEA LE(RELATI 45.88N/12 184.0 E(X1000)	R WAVE DIF VE TO SHOP 3.96W DEG AZ) OF HEIGHT	RECTION RELINE I LAT. LON WATER AND PER	STATIST N DEGRE! DEPTH = DEPTH = LOD BY	[CAL SUMM/ 5]= 135. 15.76H/124 10.00 ME DIRECTION	RY 3 - 164.9 100W TERS	
HEIGHT(MEYERS)	4.4- 6.1- 6.0 8.0	8.1- 9 9.5 1	6- 10 6- 0.5 11.7	113.3 13.3	S) 3.4- 15 16 3 1	4- 18.2- 3.1 22.2	22.3- IONSED	TOTAL
0.4999999999999999999999999999999999999	. ₫ .		: ::	:	:	: ::	:	$\frac{1}{3}$
1.50 - 1.99 2.00 - 2.49	8 5 6 22 . 11	i	: :	:	•		:	13392000000
2.50 - 2.79 3.50 - 3.49 3.50 - 3.99	: :	•	: :	:	•	: :	:	0
4.00 - 4.49 4.50 - 4.99 5.00 +		•		:	:	: :	:	Ŏ
	18 38	5	o o	Ó	Ö	o o		-
MEAN HS(M) = 1.63	LAKGES! H	S(M) = 2.	24 HEAN	TP(SEC)	= 6.6	NUMBER (F CASES =	37
PHASE WAY A LAY A SHOREL PERCENT	3 ST 26 PPROACH ANG DN. START= INE ANGLE = T OCCURRENC	20 YEA LE(RELATI 45.83N/12 184.0 E(X1000)				[CAL SUMM/ S)= 165.0 15.76N/124 10.00 ME DIRECTION	RY 1 - 180.0 1000 TERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8,1- 9 9.5 1	6- 10.6- 0.5 11.7	I SECOND	§) 3.4- 15. 15.3 16	4- 18.2- 3.1 22.2	22.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 0.99	: :	7.5 1	: ::	13.3	:	3.1 22.2	LUNGER	C O
1.50 - 1.49	: :	:		:	•		•	ò
0.499 0.999 1.500 1.2233 1.5000		:	: :	:	:		:	ŏ
0.50 - 0.49 0.50 - 1.99 1.500 - 12.49 1.550 - 22.49 2.550 - 23.49 3.500 - 34.49 3.500 - 4.99 4.500 + 4.99		÷		:	:		:	000000000
	Ö Ö	Ó	ó ó	Ó	Ġ	ö ö	ô	0
MEAN HS(M) = 0.	LARGEST H	S(M) = 0.	MEAN	TP(SEC)	= 0.	NUMBER C	F CASES =	0





WIS STATION 26 (45.88N/ 123.96W TO 45.76N/ 124.00W) MONTH

	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E45556666666667777777 E9599999999999999999	478-1703-1908-14-1946	NOWSON THE PROPERTY OF THE PRO	กมายงานของและเล่าเล่าเล่าเล่าเล่าเล่าเล่าเล่าเล่าเล่า	774667471682424716414	400-1001-1-0000-1-10-10000-10-10-10-10-10	8545667979555579403	537-64304754445709063	425442607255554564862	68995779969950710272	พายอายายอายายอายายอายายอายายอายายอายายอ	การการการการการการการการการการการการการก	54444545555555555555555555555555555555	Nii 1967767766ii 100780994 Englanda an an an an an an an an an an an an an
MEAN	3.8	3.6	3.2	2.7	2.0	1.7	1.5	1.4	1.8	2.8	3.7	4.0	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 26 (45.88N/ 123.96W TO 45.76N/ 124.00W)

M	O1	ŧŢ	Ή	

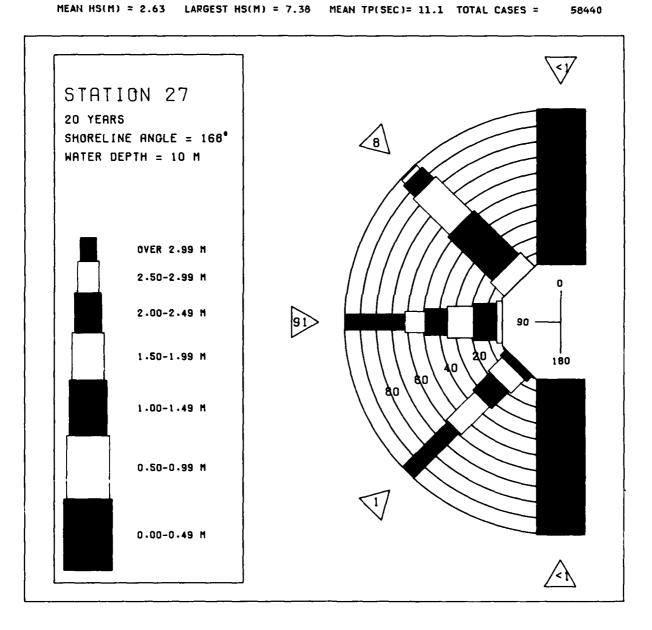
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV	DEC
9 CONCLINIO SOLLINIO	9845494644401271928

20 YR. STATISTICS FOR PACIFIC STATION 26 (45.88N/ 123.96W TO 45.76N/ 124.00W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECONDS)	, 2.7
MOST FREQUENT 30.0 DEGRÉE (CENTÉR) DIRECTION BAND (SECUNDS) STANDARD DEVIATION OF WAVE HS (SECUNDS) STANDARD DEVIATION OF WAVE TP (SECUNDS)	\$ģ: ģ
HOST FREQUENT 30 0 DEGREE (CENTER) DIRECTION BAND : : DEGREES STANDARD DEVIATION OF HAVE HS (SECONDS)	₫:4
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS (METERS)	14:3
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	63102409

WAVE A LAT. 1 Shorel Percen	3 ST 27 APPROACH AND ON. START= INE ANGLE IT OCCURREN	20 YEAR GLE(RELATIV 45.76N/124 = 168.0 (D CE(X1000) O	WAVE DIR E TO SHOR .00W L EG. AZ.) F HEIGHT	ECTION ST ELINE IN AT LON WATER DE AND PERIO	ATISTICA DEGREES) END= 45 FTH = 10 DD BY DIR	L SUMMARY 55N/123.9 65N/123.9 600 METE ECTION	14.9 55 RS	
HEIGHT(METERS)	4.4- 6.1 6.0 8.			(SECONDS)		18.2- 22 22.2 L		TOTAL
99999999999999999999999999999999999999	6.0 8.		.5 11.7 : : : : : : : : à à	13.3 15	i. 18.1	22.2 l	ONGER	0000000000
MEAN HS(M) = 0.	LARGEST	HS(M) = 0.	MEAN	TP(SEC) =	: 0. N	UMBER OF	CASES =	0
PHASE WAVE / LAT (SHORE FERCE! HEIGHT(METERS)	3 ST 27 NPPROÁCH AN LON. STARTE INE ANGLE IT OCCURREN	20 YEAR GLE(RELATIV 45.76N/124 = 1.76N/0 (0 CE(X1000)					44.9 25W RS	TOTAL
	4.4- 6.1 6.0 8.	8.1- 9. 9.5 10	6- 10.6- .5 11.7	(SECONDS:	4- 15.4- .3 18.1	18.2- 22 22.2 L	.3- ONGER	TOTAL
99999999999999999999999999999999999999	343 254 1 41 	:						51772000000 4854 55
MEAN HS(M) = 1.51	954 318 LARGEST	0 HS(M) = 2.2	Ó Ó 5 MEAN	O TP(SEC) =	Ó Ó : 5.6 N	Ó UMBER OF	O CASES =	746
PHASE WAYE	3 ST. 27 IPPROACH AN	SIF(BELYFAR	_WAYE_DIE	ECTION ST	TATISTICA	E SUMMARY	,	
ŠĤÓŘEľ PERCEN	ON. START= THE ANGLE IT OCCURREN	45.76N7124 = 168.0 CE(X1000) 0	E OOH SHOW EG. AZ.) F HEIGHT	ELINE IN AT LON WATER OF AND PERIO	DEGREES) END= 45 PTH = 10 D BY DIR	45.0 65N/123.9 60 METE ECTION	74.9 PSW RS	
SPÓREI PERCEN HEIGHT (METERS) - 0.499 - 0.500 - 1.499 - 1.499	ON. START THE ANGLE NO. 17 COURRED TO 17 COURS TO 17 COURRED TO 17 COURS TO 17 COURRED TO 17 COURS TO 17 COURRED TO 17 COURRED TO 17 COURRED TO 17 COURRED TO 17 COURRED TO 17 COURRED TO 17 COURRED TO 17 COURRED TO 17 COURRED TO 17 COURRED TO 17 COURRED TO 17 COURRED TO 17 COURRED TO 17 COURRED TO 17 COURRED TO 17 COURRED TO 17 COURRED TO 17 COURRED T		6- 10.6- 10.6-	(SECONDS) 11.8-13 13.3 15 23 28 376 727	4-3 15.1 16.1 16.1 15.1 15.1 15.1 15.1 15.2 15.7 15.7		74.9	TOT A 11130977130004 65470711151 4 207742211
HEIGHT (METERS) - 0.499	4.4- 6.1 6.0 8.7 189 2629 7755 1131 58 2535 	8,1- 9,0 1250 22 1747 193 1979 193 150 26 106 3 17614 508	PERIOD 10.6- 177 4730 12760 14	15.5.3 1.5.3	4- 15.4- 1.1 18.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	18.2~ 22 22.2 L	ONGER	311309713250 31137740024 654701151 2674221
HEIGHT (METERS) 0 0.49 0.50 - 0.49 1.000 - 1.49 1.000 - 1.29 2.500 - 2.99 2.500 - 3.99 2.500 - 3.99 2.500 - 4.49 5.00 - 4.99 5.00 - 4 5.00 - 4 5.00 - 4 5.00 - 4 5.00 - 4 6.00 - 4 6.00 - 1.95 MEAN HS(M) = 1.95	4.4- 6.1 660 860 189 860 5135 1731 8 2535 8 2535 8 1541 5089	8,1- 9,0 1250 22 1747 193 1979 193 150 26 106 3 17614 508	PER 10-7 10-7 11-5-6 17-7 12-6-94 12-6-94 11-19-	15.5 11.3.3 288.3 37.277 11.172.1 17.688 3.921 4.758 4.5 1.758 4.5 1.758 4.5 1.758 4.5 1.758 4.5	4-3 15661513277293 9.6 CSSTEE = DEED STEE = DEED STEE 18 2- 22 22.2 L	0 CASES =	311309713250 31137740024 654701151 2674221	

PHASE WAVE A LAT SHOREL PERCEN	3 ST PPROACH ON. STA INE ANG T OCCUR	27 ANGLI RT= 4 LE = RENCE	20 Y E(RELA 5.76N/ 168.0 X1000			ECTION ELINE I AT. LON WATER AND PER		TICAL EES)= 45.65 = 10.0	SUMMAR 105.0 5N/123. 00 MET CTICH	Y - 134.9 95W ERS	
HEIGHT(METERS)	4.4.0	6.1- 8.0	8,1 <u>-</u>	9.6- 10.5	PERIOD 10.6- 11.7	11.8- 1 13.3	S) 3.4- 1 15.3	5.4- 1 (3.1	18.2- 2 22.2	2.3- LONGER	TOTAL
	2055	599631 115 273	39 1002 1595 13 1595 13	27 27 121 120 100 129 13 432	100062278 100062278	177 477 922 1358 582 434	11828 11828	: : : : : i			05957445312 815303476 22444311
MEAN HS(M) = 3.34	LARGE	ST HS	(M) =	6.90	MEAN	TP(SEC)	= 10.	3 NUI	1BER OF	CASES =	1472
	3 ST PPROÀCH ON. STA INE ANG T OCCUR	27 ANGLI RT= 4! LE = RENCE	20 Y E(RELA 5.76N/ 168.0 (X1000							Y - 164.9 95W ERS	
HEIGHT(METERS)	4.4-	6,1- 8.0	8,1~	9.6- 10.5	PEPIOD 10.6-7	(SECOND 11.8-1 13.3	(\$) 3.4- 1 15.3	5.4- 1 18.1	18.2- 2 22.2	2.3- LONGER	TOTAL
1 1223344 1 1223344 1 122334 1 12233 	10	i : : : :	· · · · · · · · · · · · · · · · · · ·								134300000000
MEAN HS(M) = 1.16	LARGE	ST HS	(M) =	1.59	MEAN	TP(SEC)	= 5.	5 NUI	1BER OF	CASES =	8
PHASE WAYE A LATE SHOREL PERCEN	3 ST PPROÁCH CN. STA INÉ ANG T OCCUR	27 ANGLI RT= 4! LE = RENCE	20 Y (RELA 5.76N/ 168.0 (X1000							Y - 180.0 954 ERS	
HEIGHT(METERS)	4.4- 6.0	6.1- 8.0	8,1-	9.6- 10.5	PERIOD	15ECOND	(§) 3.4- 1 15.3	5.4~ 1 18.1	18.2- 2	2 3- LONGER	TOTAL
0.49 0.49 0.499 1.2299 1.2		Ö	· · · · · · · · · · · · · · · · · · ·			0 TP(SEC)				i i i i i i i i i i i i i i i i i i i	000000000000000000000000000000000000000



WIS STATION 27 (45.76N/ 124.00W TO 45.65N/ 123.95W) MONTH

	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	
R67890125456789012545 E8555666666666777777 E9599999999999999999	668-T-MMT-T-4868-ISOMISO	HONOGO HANNANT COMMINION	1409-64@000m@งง/786568	OCHONOMONOMONOMONOMONOMONOMONOMONOMONOMONO	39913167699145588160009	andinocopy chantandes	HALIPHANALANIANANANANANANANANANANANANANANANANA	1047444697244217MIN4862	111111111111111111111111111111111111111	177809-15597889-641977	16997408508476695807	54444545455555555555555555555555555555	M. M. M. M. M. M. M. M. M. M. M. M. M. M
MEAN	3.8	3.6	3.2	2.6	1.9	1.6	1.4	1.4	1.7	2.8	3.6	4.0	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 27 (45.76N/ 124.00W TO 45.65N/ 123.95W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
71111111111111111111111111111111111111	40739447612036921762	8050640000000000000000000000000000000000	ชองอิทาการงานนองจับบองเก	49004477744477004040404	กลากการขณาการขณาจะกับการขณายายายายายายายายายายายายายายายายายายาย	<u> </u>	พายามของปรุงมีของพราชยอด ของของปรุงมีของพราชยอด	มายงานงานงานงานงานงานงางงางงางงางงางงางงางง	เกออง4-IT-ดงเกเทตบทองเกตอง เกออง4-IT-ดงเกเทตบทองเกตอง	44766557454445447554	97921693110409370671	97432153851549337892499 556665566666667656765

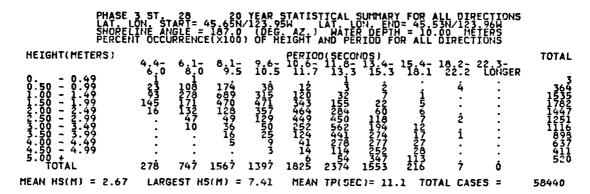
20 YR. STATISTICS FOR PACIFIC STATION 27 (45.76N/ 124.00W TO 45.65N/ 123.95W)

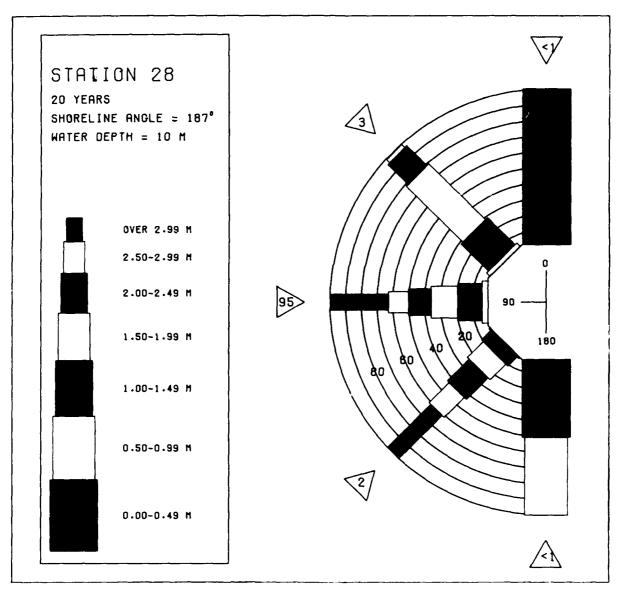
MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2.6
MEAN PEAK WAVE PERIOD (SECONDS)	11.1
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	99.9
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	2:4
IADGEST MAVE US (METEDS)	7:4
STANDARD DEVIATION OF WAVE TP LARGEST WAVE HS LARGEST WAVE HS LARGEST WAVE HS LARGEST WAVE HS LARGEST WAVE HS LARGEST WAVE HS LARGEST WAVE HS LARGEST HS L	₹ 6. ₹
MÂVE TP ÂSSŌCIATED WITH LARGEST WAVE HS (SECONOS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	63102406

PHASE HAYE LAT SHORE PERCE	3 ST 28 APPRCÁCH ANG LON. START= LINE ANGLE = AT OCCURRENC	20 YEAR W LE(RELATIVE 45.65N/123.9 187.0 (DEG E(X1000) OF	AVE DIRECTION SHORELINE SHORE LATER	ON STATIST IN DEGRE ON END= IR DEPTH = PERIOD BY	ICAL SUMMAR ES) = 0 45.53N/123 10.00 ME1 DIRECTION	RY - 14.9 - 1885	
HEIGHT(METERS)	4,4- 6.1- 6.0 8.0		PERTON! SECO				L
0.999999999999999999999999999999999999	6.0 8.0 	: : : : : : : : : : : : : : : : : : :	11.7 13.3	: : : : :	8.1 22.2		00000000000
	3 ST 28 APPROACH ANG LON. START= THE ANGLE = TOCCURRENC	20 YEAR W LE(RELATIVE 45.65N/123.9 187.0 (DEG E(X1000) OF					
HEIGHT(METERS)	4.4- 6.1 6.0 8.0	8.1- 9.6- 9.5 10.5	PERIOD(SECO 10.6-11.8- 11.7 13.3)tiDS) - 13.4- 15 3 15.3 1	8.4- 18.2- 8 8.1 22.2	TOTAL LONGER	
99999999999999999999999999999999999999	i : 61					62	0000000000000000
TOTAL MEAN HS(M) = 1.42	77 Å LARGEST H	S(M) = 1.92	MEAN TPUSE	•	•	CASES = 5	1
PHASE WAVE LAT. SHORE PERCEI	3 ST. 28 APPROACH ANG LON. STARTE LINE ANGLE LINE ANGLE	20 YEAR M LE(RELATIVE 45.55N/123.9 1870 DEG E(X1000) OF	AVE DIRECTION TO SHORELINE SW LAT! HAZ:) HATE HEIGHT AND F	OH STATIST IN DEGRE ON. END= R DEPTH = ERIOD BY	ICAL SUMMAF ES)= 45.0 45.334/123 45.030 ME1 DIRECTION	74.9 96W FERS	
HEIGHT (METERS) - 0.999 - 0.999 - 1.9	4.4- 6.1- 6.0 8.0 10 196 145 1288 776 130 8157 18		PERIOD(SECO 10.6-11.8- 11.7 13.3 i i 			TOTA LONGER 1 : 24 : 131 : 96 : 18	
MEAN HS(M) = 1.72	LARGEST H	S(M) = 3.63	MEAN TPESE	C) = 6.3	NUMBER OF	CASES = 285	9
PHASE WAYE LAT SHORE PERCEN	3 ST. 28 APPROACH ANG LON. START= INE ANGLE = IT OCCURRENC	20 YEAR W LE(RELATIVE 45.65N/123.9 187.0 (DEG E(X1000) OF	AVE DIRECTION SHORELINE SHIP LATER AZ) WATE HEIGHT AND F	ON STATIST IN DEGREE ON END= ER DEPTH = ERIOD BY	ICAL SUMMAS ES) = 75.0 45.53N/123 10.00 ME1 DIRECTION	RY - 104.9 - 96H ERS	
HEIGHT (METERS) 0.499 - 0.499 - 10.499	4.4- 6.1- 6.0 908 116 908 131 2176 124 7227 34 263 - 78 - 78 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	8 9 1 5 7 9 10 19 9 10 19 9 10 19 19 19 19 19 19 19 19 19 19 19 19 19	PER 16: -62:077526:65 120:577526:65 120:577526:65 120:577526:65 120:577626 120:577626 120:577626 120:577626 120:577626 120:577626 1	151 151 151 151 152 155 161 160 175 161 160 175 175 175 175 175 175 175 175 175 175	8 1 2 2 2 2 6 8 1 5 6 8 0 2 7 2 7 6 6 8 4 1 6 6 8 7 2 7 6 6 8 4 1 6 6 8 7 2 7 6 6 8 4 1 6 8 7 2 7 6 6 8 4 1 6 8 7 2 7 6 8 8 1 6 8 7 2 7 7 6 8 8 1 6 8 7 2 7 7 6 8 8 1 6 8 7 2 7 7 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7	TOTAL 2.3- 2.0NGER 2.1366 3.1499 1.1497 1.1497 1.1024 1.0024 1.0024 1.0024	_

HEIGHT (METERS) - 0.497	PHASE WAYE LAYOREI SHOREI PERCEN	3 ST AFPROACI ON ST INE AN	28 H ANGL ART = 4 GLE = RRENCE	20 Y E(RELA 5.65N/ 187.0 (X1000	EAR WATIVE 1 123.95 (DEG.) OF H				STICAL REES)= = 45.5 = 16.1 Y DIRE	SUMMAR 105.0 3N/123 00 ME1 CTION	?Y - 134.9 96W TERS	
0.50 - 0.499		4.4-	6.1- 8.0	8,1 <u>-</u>	9.6- 10.5	PERIOD 10.6- 11.7	(SECONI)§) 13.4~ : 15.3	15.4- 18.1	18.2- 2 22.2	22.3- LONGER	
PHASE 3 ST. 28	TOTAL	8 20 3	63 136 1862 49 3 	2222360 2222360 2222360 222360	27291447813 22212929	84623327 84923277 1 616	819487 1255887 18851 18851	· · · · · · · · · · · · · · · · · · ·	: : : : : : : : : : : : : : : : : : :			13688965336 6895908717
HEIGHT (METERS) 4,4-6 81-8 91-9 96-106-1138-134-154-18.2-22.3- 0.50-0.99 3 : : : : : : : : : : : : : : : : : :	MEAN HS(M) = 2.89	LARG	EST HS	(M) =	6.62	MEAN	TP(SEC) = 10	.5 NU	MBER OI	CASES =	3096
0.50 - 0.499	PHASE HAVE / LAVE / SHORE PERCER	3 ST APPROACI ON. ST. INE AN	28 H ANGL ART = 4 GLE = RRENCE	20 Y E(RELA 5.65N/ 187.0 (X1000	EAR WATIVE 123.95 (DEG.	AVE DIR TO SHOR SW L HEIGHT	ECTION ELINE AT. LOI WATER AND PE	STATI IN DEGI N. END: DEPTH RIOD B	STICAL REES)= 45.5 = 10 Y DIRE	SUMMAR 135.0 3N/123 00 ME	RY - 164.9 .96W TERS	
0.50 - 0.499		4,4-	6 ₈ 1-	8,1- 9.5	9.6- 10.5	PERIOD 10.6- 11.7	(SECON	DS) 13.4- : 15.3	15.4- 18.1	18.2- i 22.2	22.3- LONGER	TOTAL
PHASE 3 ST. 28 (20 YEAR MAVE DIFECTION STATISTICAL SUMMARY MAYE APPROACH ANGLE (RELATIVE TO SHORELINE IN DEGREES) = 165.0 - 180.0 START 100. START 145.65N/123.95M LAT. 100. START 25.65N/123.95M LAT. 100. START 26.65N/123.95M LAT. 100. PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION HEIGHT (METERS) 4.4-6.1-8.1-9.6-10.5 10.7 13.3 15.4 18.2-22.3-6.0 8.0 9.5 10.5 10.7 13.3 15.3 18.1 22.2 LÖNGER	0 0.49 0.50 - 0.99 1.50 - 1.99 2.00 - 2.49	10 10		:	:	:				•		1 23 26 11
PHASE 3 ST. 28 (20 YEAR MAVE DIFECTION STATISTICAL SUMMARY MAYE APPROACH ANGLE (RELATIVE TO SHORELINE IN DEGREES) = 165.0 - 180.0 START 100. START 145.65N/123.95M LAT. 100. START 25.65N/123.95M LAT. 100. START 26.65N/123.95M LAT. 100. PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION HEIGHT (METERS) 4.4-6.1-8.1-9.6-10.5 10.7 13.3 15.4 18.2-22.3-6.0 8.0 9.5 10.5 10.7 13.3 15.3 18.1 22.2 LÖNGER	2.50 - 2.99 3.90 - 3.99 3.50 - 4.99	:	:	•	:	:	:				:	0
PHASE 3 ST. 28 20 YEAR MAVE DIFECTION STATISTICAL SUMMAPY WAYE APPROACH ANGLE (RELATIVE TO SHORELINE IN DEGREES) = 165.0 - 180.0 LAT. LON. STATE 45.65N/123.95M SHORELINE ANGLE = 1.67.0 (JEG. AZ.) WATER DEPTH = 10.00 METERS PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION HEIGHT (METERS) 4.4-6.1-8.1-9.6-10.5-11.7-13.3-15.4-15.4-18.2-22.3- 6.0-8.0-9.5-10.5-11.7-13.3-15.3-18.1-22.2 LÖNGER	4:50 - 4:99 5:00 + TOTAL	: 20	: 42	: 3	: ò	: ò	: ô	: ò	: ò	: ō	: ò	ŏ
HEIGHT(METERS) 9.4- 6.1- 6.0 9.5 10.5 11.7 13.3 15.4- 18.2-		LARG	EST HS	(M) =	2.53	MEAN	TP(SEC) = 6	.7 NU	MBER O	F CASES =	41
HEIGHT (METERS) 4.4-6.1-8.1-9.6-16.6-11.8-13.4-15.4-18.2-22.3- 0.50-0.99 1.00-1.49 2.50-2.49 2.50-2.99 3.50-3.49 3.50-3.49 3.50-3.49 3.50-3.49 4.60-4.49 4.60-4.49 5.50-4.99		3 ST APPROACI LON: ST LINE AN	28 H ANGL ART= 4 GLE = RRENCE	20 Y E(RELA 5.65N/ 187.0 (X1000	EAR WA TIVE 1 123.95 (JEG.) OF				STICAL REES)= = 45.5 - 10.	SUMMAR 165.0 3N/123 00 ME CTION	7Y - 180.0 96W TERS	
0 1 1 2 2 3 3 3 4 4 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		4,4-	6.1.0	8 ; 1 <u>-</u> 5	9.6- 10.5	PERIOD 10.6- 11.7	(SECOM 11.8- 13.3	15.3 15.3	15.4- 18.1	18.2- a 22.2	22.3- LONGER	
2.500 - 2.499 2.500 - 3.499 3.500 - 3.499 4.500 - 4.499 5.000 + 4.99	0.50 - 0.99 1.00 - 1.49 1.50 - 1.99	:	:	:	:	:	:	:	:	•	•	9000
4.50 - 4.46 4.50 - 4.99 5.00 + 1	2.499 2.500 - 2.499 3.500 - 3.49	:	:	:	:	<i>:</i>	:	:	:	:	•	0000
	4.00 - 4.49 4.50 - 4.99 5.00 +	:	: : ò	: i	ċ	: :	ċ	i i	ò	i	:	ŏ

MEAN HS(M) = 0. LARGEST HS(M) = 0. MEAN TP(SEC) = 0. NUMBER OF CASES = 0





WIS STATION 28 (45.65N/ 123.95W TO 45.53N/ 123.96W)

HTHOM

	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC	
R67890123456789012345 F855566666666777777 F855556666666777777777777777777777777777	n7847n4m4n4m6n644n44nn	nothernation and the transfer of the transfer	กษายุงครายการการการการการการการการการการการการการก	77466743788847710414	400-1021-8002450821-250	85456679705557679404	537.6433444445729963	425442607215554564962	68996779969950710272	มาของคุณจากจากจากจากจากจากจากจากจากจากจากจากจากจ	ณฑดอนและการการการการการการการการการการการการการก	52801609987951277925 52801609987951277925	N.15967767766558878094
MEAN	3.7	3.6	3.2	2.7	2.0	1.7	1.5	1.4	1.8	2.8	3.6	4.0	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 28 (45.65N/ 123.95W TO 45.53N/ 123.96W)

HTHOM

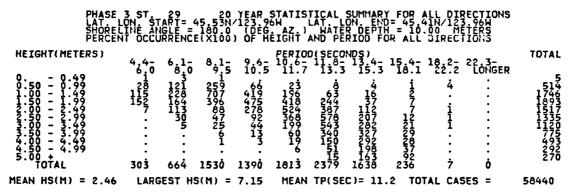
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 8555556666666779797999999999999999999999	046666556665554666666	40424204074807465278	ดอกจะจากระบารคามาสุดเกลร์	7944749844486446455	ครายการเกลย์ สายเกลย์ ครายการเกลย์ ครายการเกลย์ ครายการเกลย์ ครายการเกลย์ ครายการเกลย์ ครายการเกลย์ ครายการเกล	กระการกระการกระการกระการกระการกระการกระการกระการกระการกระการกระการกระการกระการกระการกระการกระการกระการกระการก	งเกางเกางเกางเกางเกางเกางเกางเกางเกางเกา	294545885520949924741	ก. 4996งเก. ๆ จนท์ อเทอการการณา	62013164347173219645	90723093112707380664 46666566666556666666	98454925443911719231 556666666667666766

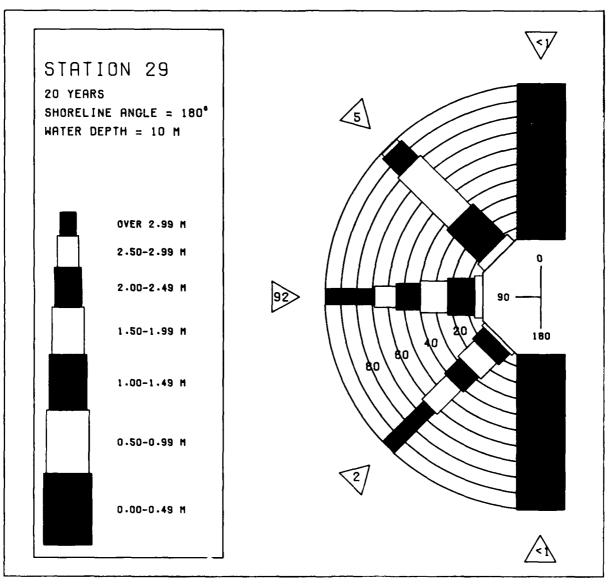
20 YR. STATISTICS FOR PACIFIC STATION 28 (45.65N/ 123.95W TO 45.53N/ 123.96W)

MEAN SIGNIFICANT HAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECONDS)	12.7
MEAN BEAK HAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND . (DEGREES) STANDARD DEVIATION OF WAVE HS . (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS) LARGEST WAVE HS	90.0 1.2
WÄVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS)	2.4 7.4 14.3
AVERAGE DÍRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	63102409

PHASE WAVE LAT SHOPE PERCE	3 ST. 29 APPPOACH AND LON. START= LINE ANGLE: NT OCCURREN	20 YEAR GLE(RELATIVE 45.53N/123. 180.0 (DE E(X1000) OF	WAVE DIRECTION TO SHORELING 96W LAT G AZ] WAT HEIGHT AND	ON STATISTI E IN DEGREE LON. END= 4 ER DEPTH = PERIOD BY D	CAL SUMMAR 5)= 0 5.41N/123 10.00 MET IRECTION	14.9 - 14.9 - 14.9 - ERS	
HEIGHT(METERS)	4.4- 6.1 6.0 8.0	8.1- 9.6 9.5 10.	PERIOD(SECO - 10.6- 11.3 5 11.7 13.	ONDS) - 13,4- 15,	4- 18:2- 2	12.3- 1.60CEP	TOTAL
99999999999999999999999999999999999999	: : : : : : : : : : : : : : : : : : :		· · · · · · · · · · · · · · · · · · ·				00000000000
MEAN HS(M) = 0.	LARGESI	15(M) = 0.	MEAN TP(S	EC) = 0.	NUMBER OF	LASES =	0
PHASE HAYE LAT SHORE FERCE HEIGHT(METERS)			WAVE DIRECTION TO SHOPELING 96W LAT. G. AZ.) WAT HEIGHT AND				TOTAL
0 0 60	4.4-7 6.1 6.0 8.1		PERIOD(SEC - 10.6- 11.8 5 11.7 13.	- 13.4- 15. 3 15.3 18	4- 18.2- 2 .1 22.2	2 3- LONGER	_
99999999999999999999999999999999999999	304 85				· · · · · · · · · · · · · · · · · · ·		1789200000 1082 432
MEAN HS(M) = 1.50	724 115 LARGEST I	U U IS(M) = 2.30		•	NUMBER OF	CASES =	492
HEIGHT(METERS)							OTAL 25 1346 4361
HEIGHT(METERS)	4.4- 6.1 1.0 6.33 1.155 12.20 1.155 2.150 2.158 2.150 2.158 4436	8 9 53 21071 45711 1071 8 6 7 7 8 8 1071 16771 1 7 8 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PFRIOD(SEC - 10.6- 11.8 5 11.7 13. 10 1 322 11 222 22 227 . 127 . 129 12	DNDS) - 13,4- 15, 3 15,3 16		2.33- 2.034GER 	TOTAL 256 134618 12377 13181 100 6222
HEIGHT (METERS) 0.499 0.500 - 0.499 1.500 - 1.299 2.500 - 2.949 2.500 - 2.999 3.500 - 2.999 4.500 - 4.499 5.00 + 4.499 5.00 + 4.499 5.00 + 4.499 5.00 + 4.499 5.00 + 4.499 6.	4.4- 6.1 2.13 6335 1.155 12223 1.155 2130 	8 1- 9.6 9.5 10.7 16.71 210.7 20.7 245.8 3385 4.7 45.8 4.7 4	PFRIOD(SEC - 10.6-11.8-5 - 11.7 13.1 - 10.6-11.8-5 - 12.2-11.8-1 - 13.2-11.8-1 - 13.2-11.8	DN STATISTIE EC) = 7.4	4- 18.2- 2 1 22.2 1 22.2 1 22.2 1 2.2 1 2.2 1 2.2 1 2.2 1 3.2 1	2.33- LONGER : : : : : : : : : : : : : : : : : : :	2566187 1403975180 151611100
HEIGHT (METERS) - 0.49 0.50 - 0.49 1.000 - 12.949 1.000 - 2.949 2.500 - 2.949 3.500 - 3.949 4.500 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 6.00 - 4	4 - 0 6 1 3 3 5 0 3 5 0 7 7 3 5 3 1 3 3 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1	8.1- 9.6 9.5 10.6 453 3507 2643 74 2654 107 2654 107 2654 107 2654 15 345 2554 15 3385 477 HS(M) = 4.13 645.537N/160E 645.537N/160E 645.630.000) OF	PER 10D (SEC.8-1) 11 1-1 1-1 1-1 1-1 1-1 1-1 1-1 1-1 1	DN STATISTIE EC) = 7.4	4- 18.2-2 1.1 22.2 1.1 22.2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.33- LONGER 	2469751851100 2469751851100 2469751851100 24751851100 24751851100 24751862974884959

PHASE A HAYE A LAT L SHOREL PERCEN	ST.2 PPROACH ON. STAR INE ANGL T OCCURR	9 ANGLE(RI 1 = 45.5 E = 180 ENCE(X)	YEAR W LATIVE 5N/123.9 0 (DEG						134.9 664 RS	
HEIGHT(METERS)	4,4- 6	8.0 89	- 9.6- 5 10.5	PERIOD 10.6-	(SECOND 11.8- 1	(§) 3.4- 1 15.3	5.4- 10 18.1	3.2- 22 22.2 i	3- ONGER	TOTAL
0. ~ 0.49 0.50 ~ 0.99 1.00 ~ 1.49	4,4- 6 15 10 1 27 1				:	:		:	•	15642847 87433947
1.50 ~ 1.99 2.50 ~ 2.99 2.50 ~ 2.99	27 1	34 350 550 551 551 188 133 145 158 158 158 158 158 158 158 158 158 15	7 166 189	203 338	15 138 138	3 34	:	:	:	544 638 978
0.4999999999999999999999999999999999999	•	3 1	1315 1590 1689 1893 1313	15738947 240339777 1138	15 138 188 1861 1266 173	**************************************	:	:	:	767 2563 153
TOTAL	46 4	46 85		1178	18 773	205 205	56	Ö	Ö	153
MEAN HS(M) = 2.75	LAPGES	T HS(M)	= 5.79	MEAN	TP(SEC)	= 10.	4 NUMI	BER OF	CASES =	2500
PHASE WAYE A LATE L SHORL PERCEN	3 ST. 2 PPROACH ON STAR INE ANGL T OCCURR	9 ANGLE(RI T= 45.5 E = 180 ENCE(XI	YEAR WELATIVE SN/123-9 0 (DEG							
HEIGHT(METERS)	4.4- 6	8.1- 8.1	5 9.6- 5 10.5	PERIOD 10.6- 11.7	(SECOND 11.8- 1 13.3	(\$) 3.4- 1 15.3	5.4- 18 18.1	3.2- 22 22.2 l	3- ONGER	TOTAL
99999999999999999999999999999999999999	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 0 9 15 122 1:		:	:	:	:	:	•	18 48
122334 122334 1	:	18		:	:	:	:	:	•	19 1 0
3.50 - 3.49 3.50 - 4.49	•	:		:	:	:	:	:	:	38691000000
	15	59 1	 3 0	Ö	Ö	Ö	Ö	Ö	Ö	ŏ
MEAN HS(M) = 1.20	LARGES	T HS(M)	≈ 2.00	MEAN	TP(SEC)) = 7.	0 NUM	BER OF	CASES =	54
PHASE WAYE A LATOREL PERCEN	3 ST PPROACH ON. STAR INE ANGL T OCCURR	29 ANGLE(RI 27 = 45.5 E = 160 ENCE(XI	YEAR WELATIVE 3N/123.9 0 (DEG					SUMMARY 165.0 - 1/123.9 1 METE	180.0 64 RS	
HEIGHT(METERS)	4,4- 6	8.0 8.3	l- 9.6- 5 10.5	PERIOD 10.6-	SECOND	(\$) 3.4- 1 15.3	5.4- 18 18.1	3.2- 22 22.2 [3- ONGER	TOTAL
0.50 - 1.49 1.50 - 1.49 2.50 - 2.49	•	•		:	:	:	:	:	•	000
99999999999999999999999999999999999999	•	•		:	:	:	:	:	•	000
	:	•		:	:	:	:	:	:	000000000
4:50 - 4:49 5:00 + TOTAL	Ö	-)	ō	Ó	ó	Ö	Ġ	Ö	ŏ
MEAN HS(M) = 0.	LARGES	T HS(M)	= 0.	MEAN	TP(SEC)	= 0.	NUM	BER OF	CASES =	0





WIS STATION 29 (45.53N/ 123.96W TO 45.41N/ 123.96W)
MONTH

						HON	n						
	MAL	FEB	MAR	APR	MAY	אטר	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	844859772M0477508007	18656492900601014670	การและเลาสาราชายายายายายายายายายายายายายายายายายาย	กเกาะเกาะ ครายเกาะ ครายเกาะ ครายเกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะ	3000001666000040610010010	การการกระบานการการการการการการการการการการการการการก	4m7.64:00.4-00.15mm4:00.00.00.00	72444169714207554942	67894667767748509160	44749795575067601057	84296574427424564696	09867M46424M26944M8H	พลากกระที่สุดเกิดเลือดเลือดเลือดเลือดเลือดเลือดเลือดเลือ
MEAN	3.4	3.3	2.9	2.5	1.9	1.5	1.4	1.4	1.7	2.6	3.4	3.6	
			L	ARGES	T HS(METER	S) BY	MONT	H AND	YEAR			
		WIS S	TATIO			.53N/				41N/		6W)	
						MONT	н						
	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC	
YEAR 19957 19959 19960	536666	721121	908124	546444	791220	577480	222221	212222	233223	458257	35,6666	9555555 455666	

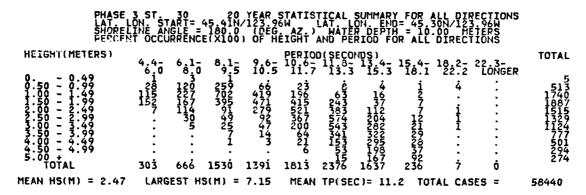
	JAN	FEB	MAR	APR	MAT	JUN	JUL	AUG	SEP	OCT	NOA	DEC
R67890123456789012345 E90999066666669990999999999999999999999	595571604551164111466	7211210200107771007020	908-104511086708-169808	N40444MM44AAMM4464M4	79-เฉลองเรื่ออกง อเกอง กลงจากกลงลงจากลงการก	มาและเลาเลาเลาเลาเลาเลาเลาเลาเลาเลาเลาเลาเลาเ	5-17-21-19-01-15-1-19-00-0 20-20-20-15-15-10-10-10-10-10-10-10-10-10-10-10-10-10-	ณล46ทงส94ณ-เจ-ท๑๑ณฑิยนต ณาณณณณาณณณาเนาณ4ณณณ	งกางเการณณฑณณฑณณฑณณฑณนา ณฑฑณณฑรณณฑณณฑณณฑณนา	45000000000000000000000000000000000000	98223889028887-12780655	95150655566656566666766

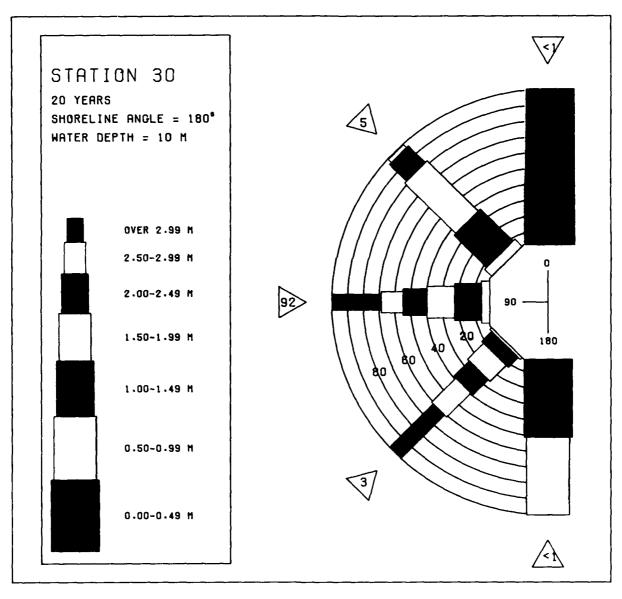
20 YR. STATISTICS FOR PACIFIC STATION 29 (45.53N/ 123.96W TO 45.41N/ 123.96W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD MOST_FREQUENT 30.0 DEGRÉE (CENTER) DIRECTION BAND (DEGREES)	2.5 11.2 90.0
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	90.0 1.5 27.2
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS (METERS)	7.2 16.7
AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	73121403

PHASE A HAVE A LATOREL SHOREN PERCEN	3 ST 30 PPROACH AN ON START= INE ANGLE IT OCCURREN	20 YEA GLE(RELATI : 45.41N/12 = 180.0 (ICE(X1000)	T WAVE DIR VE TO SHOR 3.96W (DEG. AZ.) OF HEIGHT	RECTION ST RELINE IN AT. LON. WATER DE AND PERIO	ATISTICA DEGREES) END= 45 PTH = 10 D BY DIR	L SUMMAR 30N/123 00 MET ECTION	Y - 14.9 96W ERS	
HEIGHT(METERS)	4.4- 6.1 6.0 8.			(SECONDS)				TOTAL
99999999999999999999999999999999999999	0 0		0.5 11.7 : : : : : : : : : : . : . : . : . : . :	0		22.2	i	00000000000
MEAN HS(M) = 0.	LARGEST	HS(M) = 0.	MEAN	TP(SEC) =	0. N	UMBER OF	CASES =	0
PHASE WAYE A LATE A SHOPE PERCEN HEIGHT(METERS)	3 ST 30 PPROACH AN ON. START = INE ANGLE IT OCCURREN	GLE(RELATI = 45.41N/12 = 180.0 (RCE(X1000)					Y - 44.9 96 W ERS	TOTAL
	4.4- 6.1 6.0 8.	0 9.5 1	0.6- 10.6- 0.5 11.7	11:8-13. 13:3 15	4- 15.4- 3 18.1	18.2- 2	2.3- LÖNGER	
99999999999999999999999999999999999999	304 65	•						17892000000 1482 482
MEAN HS(M) = 1.50	724 115 LARGEST	; 0 HS(M) = 2.	0 0 30 MEAN	O TP(SEC) =	Ò Ö : 5.4 N	0 UMBER OF	O CASES =	492
PHASE WAVE 1 SHOREL SHOREL	3 ST. 30 PPROACH AN ON. START INE ANGLE IT OCCURREN	20 YEA IGLE(RELATI : 45.41N/12 = 180.0 ICE(X1000)	R WAVE DIF VE TO SHOR 3.96W L DEG AZ L OF HEIGHT	RECTION ST RELINE IN LAT LON. WATER DE AND PERIO	ATISTICA DEGREES) END= 10 PTH = 10 D SY DIR	L SUMMAR = 45.0 30N/123. 00 MET ECTION	Y 74.9 96W ERS	
				(SECONDS)				TOTAL
99999999999999999999999999999999999999	4:4- 6:1 6:0 6:3 7:22 14:2 7:22 12:2 11:58 2:3 1:58 44:36	ě	0.5 11.7 3.50 3.22.27 2.107 3.007 3.007 3.007 3.007 3.007 3.007 3.007 3.007 3.007 3.007 3.	13.3 15 11 	i.3 -18.1 i : : : : : : : : i	22.2	LONGER	256688 344987 153234 151100
MEAN HS(M) = 1.56	LARGEST	HS(M) = 4.	13 MEAN	TP(SEC) =	7.4 N	UMBER OF	CASES =	6220
	3 ST. 30 PPROACH AN ON. STARTE THE ANGLE IT OCCURREN	GLE(RELATI 45.41N/12 = 160.0 ICE(X1000)						
HEIGHT (METERS) - 0.499	4.4- 6.0 8.35.0.7.0.7.0.7.1.3.0.0.7.1.3.0.0.7.1.3.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	0 0 1 - 5 1	PERIOD 0.5 11.7 19 224 19 292 14 4067	911136766619999 627568216999	110 127731249829 127731249829 127737259829 23	18.2-2 22.2 4i 16 185 110 111	2.3- LONGER :	TOTAL 350 37.70 935.5861 7.455.00 37.475.60 37

PHASE HAVE LAT SHOREL PERCEN	3 ST 30 PPROÁCH A ON. START INE ANGLE T OCCURRE	NGLE(REL = 45.41N. = 160.0 NCE(X100	(EAR MATIVE) 123.96 (DEG.	VE DIR O SHOR NEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIS N DEGR END= OEPTH IOD BY	TICAL SEES 1= 45.30 PER 10.00 PER 10	SUMMARY LOS O V/123 S METE TICH	134.9 6W RS	
HEIGHT(METERS)	4.4- 6.	1- 8.1-	9.6- 10.5	PERIOD 10.6-	(SECOND 11.8- 1 13.3	5) 3.4- 1 15.3	5.4- 18 18.1	3.2- 22 22.2 i	3- ONGER	TOTAL
99999999999999999999999999999999999999	5 12 5 12 27 14 3	0821577700433 1577700433	159595605 159595605	27 27 2020 3007 177 113 1193	: 15	3245221 3245221		•	:	18268 00 00227 779444108115 34698521
4.00 ~ 4.49 4.50 ~ 4.99 5.00 + TOTAL	: 44 44	: : 3 863	-5 768	1 <u>i</u> 1193	70 20 768	25 29 211	<u>i</u> 5	ċ	Ò	1 <u>12</u> 57
MEAN HS(M) = 2.78	LARGEST	HS(M) =			TP(SEC)		4 NUMI	BER OF	CASES =	2526
PHÀSE À WAVE LÀ SHOREL PERCEN	3 ST. 30 PPROACH A DN. START INE ANGLE T OCCURRE	NGLE(REL = 45.41N = 180.0 NCE(X100					TICAL (EES)= 45.301 = 10.00	SUMMARY 135.0 17123.9 1 NETE 110N	, - 164.9 264 RS	
HEIGHT(METERS)	4,4- 6.6	1- 8;1- 0.0 9.5	9.6-	PERIOD	(SECOND 11.6- 1 13.3	5) 3,4- 1	5.4- 18 18.1	3,2- 2	3- 086FP	TOTAL
0.50 - 0.49 0.50 - 1.49 1.50 - 1.29 2.50 - 2.49 3.50 - 3.49 3.50 - 4.49 4.50 - 4.99 5.00 - 4.59 TOTAL MEAN HS(M) = 1.56	•	1-0 8 9 1-5 		· · · · · · · · · · · · · · · · · · ·	: : : : : : : :				: : : : : : : :	3-1044000000
MEAN HS(M) = 1.56	LARGES1	'HS(M) =	2.35	MEAN	TP(SEC)	= 7.	O NUMI	BER OF	CASES =	72
PHASE WAYE AI LAT' SHORE LI SHORE LI PERCEN'	3 ST. 30 PPROACH A ON. STARI INE ANGLE T OCCURRE	NGLE(REL = 45.41N = 180.0 NCE(X100	YEAR WATIVE 123.90						180.0 26W RS	
HEIGHT(METERS)	4,4- 6. 6.0 8	1- 8.1- 5.0 9.5	9.6- 10.5	PERIOD	(SECOND 11.8-1 13.3	§) 3.4- 1	5.4- 1	3,2- 2	3- ONGER	TOTAL
		· · · · · · · · · · · · · · · · · · ·			: : : : : :				· · · · · · · · · · · · · · · · · · ·	00000000000
MEAN HS(M) = 0.	LARGES	' KS(M) =	٥.	HEAN	TP(SEC)	= 0.	AUM	JER UP	CASES =	0





WIS STATION 30 (45.41N/ 123.96W TO 45.30N/ 123.96W)

м	CULI	т.	

	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	84485977230517608003	18656492900001014670	กคางการกระบบการการการการการการการการการการการการการก	รมายรัฐ อาณารถ ของสามารถการการการการการการการการการการการการการก	38999916789903496H0019	7777755685972545599997	אחרולים מינים br>מינים מינים 32444169714233554942	67894667767748509160	447.49793375667621857	ชมางๆ 6คา-440.7404ม 6-1706	00867956504559694468H	MANTAGINAAGINAAGINAAGA EARIAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	
MEAN	3.4	3.3	2.9	2.5	1.9	1.5	1.4	1.4	1.7	2.6	3.4	3.7	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 30 (45.41N/ 123.96W TO 45.30N/ 123.96W)

HTHOM

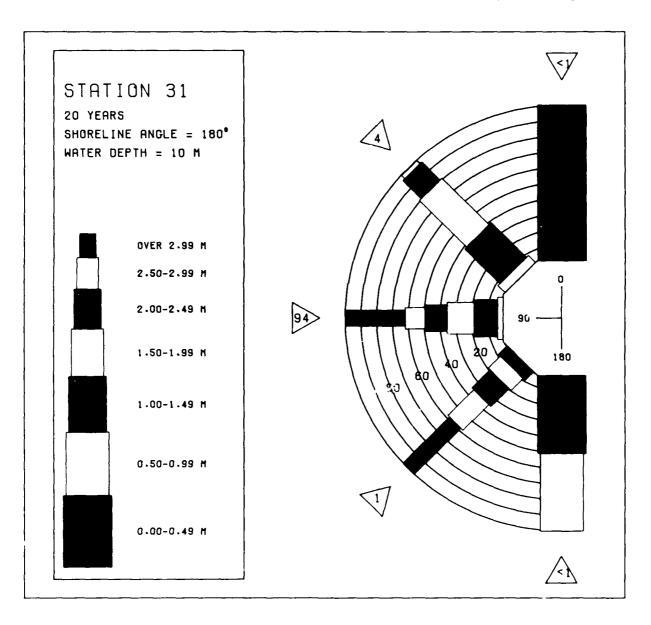
	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Y1117890123456789012345 Y11179999999999999999999999999999999999	57555555555555555555555555555555555555	761-122002019771087726	000-1044441111144446041104	N213020614467315450146	79 กิดสาราชานาราชานาราชานาราชานาราชานาราชานาราชานาราชานาราชานาราชานาราชานาราชานาราชานาราชานาราชานาราชานาราชาน	มาาสอบเกอบเกองเกองเลย	นาวงานของเกรายการการเกรายการการการการการการการการการการการการการก	28465289421659923880	มาการแบบการแบบการแบบการเลา	4582M759008000406086	96000000000000000000000000000000000000	9577790007445785000700

20 YR. STATISTICS FOR PACIFIC STATION 30 (45.41N/ 123.96W TO 45.30N/ 123.96W)

MEAN SIGNIFICANT HAVE HEIGHT (METERS)	. 2.5
MEAN PEAK WAVE PERIOD (CENTER) DIRECTION BAND (SECONDS) MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	11.2
	9g.g
STANDARD DEVIATION OF WAVE HS (METERS)	Ĭ· <u>Ĭ</u>
ŞTANDARD DEVIATION OF WAVE TP(SECONDS)	₹.\$
LARGEST HAVE HS	. / . 2
WÄYETP ÄSSÖCIÄTED WITH LARGEST WAYE HS (SECÖNDS)	76.7
LARGEST WAVE HS LARGEST WAVE HS (METERS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	82.7
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	73121403

PHASE WAVE LAT SHORE PERCE	3 ST 31 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC	20 YEAR LE(RELATIVE 45.30N/123.0 180.0 (DEC E(X1000) OF	MAYE DIRECTOR SHOPEL	TION STAT	ISTICAL SUM GREES)= 0 D= 45.18N/1 H = 10.00 BY DIRECTIO	MARY 23.98W METERS	
HEIGHT(METERS)	464- 61-			SECONDS) 13.4- 13.3 15.3			TOTAL
99999999999999999999999999999999999999	6.0 8.0 : : : : : : : : : 	9.5 10.1 	0	i i i i i i i i i i i i i i i i i i i	18.1 22.	E LUNGER	00000000000
MEAN HS(M) = 0.	LARGEST H	S(M) = 0.	MEAN TE	SEC) =	O. NUMBER	OF CASES =	: 0
PHASE WAVE LAT SHORE PERCE HEIGHT(METERS)	3 ST APPROACH ANG LON. STATE INE ANGLE NT OCCURRENC	20 YEAR 1 LE(RELATIVE 45.30N/123. 45.30N/123. 18000 OF				MARY 0 - 44.9 23.984 1816RS	TOTAL
	4,4- 6,1-	8,1- 9,6	10.65 11	ECONDS 1 3.3 15.3	15.4- 18.2 18.1 22.	22.3- 2 LONGER	0
99999999999999999999999999999999999999	27 : 130 :	· · · · · · · · · · · · · · · · · · ·					270500000000000000000000000000000000000
MEAN HS(M) = 1.22		S(M) = 1.86	-	-	•	OF CASES =	101
PHASE WAYE LAT. SHERCE	3 ST. 31 APPROACH ANG LON. STATE = LINE ANGLE = NT OCCURRENC	20 YEAR LE(RELATIVE 45.30N/123. 180.0 (DE E(X1000) OF	NAVE DIRECTO SHOREL TO SHOREL SA LAT HEIGHT AN	TION STAT INE IN DE LON. EN LATER DEPT ID PERIOD	ISTICAL SUM GREES)= 45 D= 45.180/1 H = 10.00 1 BY DIRECTION	MARY 74.9 13.98W 18ters	
PHASE WAVE LAT. SHORE FERCE HEIGHT(METERS)	3 ST. 31 APPROACH ANG LON. START = LINE ANGLE = NT OCCURRENC 4.4- 6.1-		DCD TOD (O				TOTAL
HEIGHT(METERS)			DCD TOD (O		ISTICAL SUMM GREES) = 45		TOTAL 1264569 956944702000 100000000000000000000000000000000
HEIGHT(METERS)	4.4- 6.1- 6.0 8.1- 15.4 45.5 11.70 14.5 11.70 73.4 12.4 17.4 	8 9 5 10 12 9 5 10 12 150 2 1502 17558 10 15 1558 175 15 11	PERIOD(\$ 10.6- 11.7 1.5 1.8 3	SECONDS) 13.3 15.3 5 i 8	15.4- 18.22.1 18.1 22.1	22.3- 2 LONGER 	9550844712000 9550844712000
HEIGHT (METERS) 0 19499999999999999999999999999999999999	4.4- 6.1- 6.0 8.1- 15.4 45.5 11.70 14.5 11.70 73.4 12.4 17.4 	8 1- 9.6 9 3 10 1 2800 254 1745585 17 1585 17 11	PERIODIS 10.6-11 15.18 183 183 183 184 MEAN TE NAVE DIRECT TO SHOREL 164 AZ HEIGHT AN	SECONDS) 3.3 15.3 5 1 8 3 15.3 5 1 8 1 8 1 9 (SEC) = CTION STAT INE IN OF	15.4- 18.2 18.1 22.3 6 0 7.2 NUMBER 1STICAL SUM GREES = 75 D= 45.18N/1 H = 10.00 BY DIRECTION	22.3- 2 LÖNGER 	9550844712000 9550844712000
HEIGHT (METERS) 0. 50.49.99.99 0. 50.50.00.1.2.2.49.99 1. 50.00.1.2.2.49.99 1. 50.00.1.2.2.49.99 1. 50.00.1.2.2.49.99 1. 50.00.1.2.2.49.99 1. 50.00.1.2.2.49.99 1. 50.00.1.2.2.49.99 1. 50.00.1.2.2.2.49.99 1. 50.00.1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	4.4- 6.1- 6.6- 4.5- 1.524 1.5- 1.704 7.346 1.704 1.746 1.704 1.746 1.704 1.746 1.704 1.746 1.705 1.705 1.705 1.705 2359 3523 LARGEST H APPROÁCHAÑA APPROÁCHAÑA APPROÁCHAÑA LON. SĂNGLE LON. SĂNGLE NT OCCURRENC	8 1- 9.6 9 35 10 12 2800 12542 17445 1000 1558 37 11 2593 331 S(M) = 3.93 LE(RECATIVE 41800 00) OF	PERIODIS 10.6-11 15.18 183 183 183 184 MEAN TE NAVE DIRECT TO SHOREL 164 AZ HEIGHT AN	SECONDS) 3.3 15.3 5 1 8 3 15.3 5 1 8 1 8 1 9 (SEC) = CTION STAT INE IN OF	15.4- 18.2 18.1 22.3 6 0 7.2 NUMBER 1STICAL SUM GREES = 75 D= 45.18N/1 H = 10.00 BY DIRECTION	22.3- 2 LONGER 	923345 9268456 12470 1200 00 5189
HEIGHT (METERS) 0 19499999999999999999999999999999999999	4.6.6 4.52264 4.6.6 4.52264 4.6.6 4.52264 4.6.6 4.52264 1.770 1 1 1 1 1 1 1	8 1- 9.6 9 5 10 1 2802 1502 17455 102 1558 175 15 1 1	PER 6.7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SECONDS) 3.3 15.3 5 1 8 3 15.3 5 1 8 1 8 1 13 1 13 1 10 SEC) = CTION SEAT IN LON SEAT	15.4-18.2.6 18.1 22.6 18.1 22.6 0 0 7.2 NUMBER 18.1 22.6 18.1 18.2.6 18.1 18.2 2.6 18.1 2.6	22.3- 2 LONGER 	750000 9 L 27924206039 9 150000 9 1 27924206039 9 150000 9 1 27924206039 9 1 279242060039 9 1 279242060039 9 1 279242060039 9 1 279242060000000000000000000000000000000000

PHASE WAYE ALL LATEL SHOREL PERCEN	3 ST 31 PPROÁCH ANC DN. START= INÉ ANGLE : T OCCURRENC	20 YE LE(RELAT 45.30N/1 180.0 (E(X1000)	AR WA IVE T 23.96 (DEG. OF H	VE DIR O SHOR W Z) EIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIS N DEGR END= OEPTH IOD BY	TICAL EES)= 45.1 = 10.0 DIRE	SUMMAR 105.0 3N/123.0 0 MET TION	Y - 134.9 98W ERS	
HEIGHT(METERS)	4.4- 6.1 6.0 8.0				(SECOND 11.8- 1 13.3				2.3- LONGER	TOTAL
99999999999999999999999999999999999999			•	:	:	:	:	:	•	30 212 291
11.22.33.4.99 	30 58617 30 717 30 717	1759894321 15282 15282	137 73 124 106 922 425	80 195 172	6 46 99	5	i	:		376 600 525
2.500 - 2.499 2.500 - 3.499 3.500 - 4.99 4.500 + 4.99 5.001 + 101AL	: :		42 15	170527 189727 100527 10067 870	1998 1463 1166	565 35059 2450	: 6 7	:	•	319702058214 223655322
TOTAL MEAN HS(M) = 3.18	38 327 LARGEST H	748 IS(M) = 6	553 .71		616 TP(SEC)			0 1BER OF	O CASES =	1949
DUACE	7 CT 11	20 45	: A 17 L) A	VE DID	ECTTON	CTATTE	TTCAL	CLIMMATI	v	
HAYE AL LAY LI SHOREL PERCEN	3 ST. 31 PPROACH AND ON. START= INE ANGLE: T OCCURRENCE	LE(ŘELA) 45.30N/] 180.0 E(X1000)	ÎVE T 23.96 DEG.	ÖSHÖR AZ EÎGHT	ELINE I AT LON WATER AND PER	N DEGR END= DEPTH IOD BY	EES)= 45.14 = 10.14 DIREC	135.0 8N/123 00 MET	- 164.9 98W ERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0				(SECOND 11.8- 1 13.3				2.3- LONGER	TOTAL
0.4999999999999999999999999999999999999	<u>i</u> :	•	:	:	:	:	:	:	:	0 15
1.30 - 1.49 2.50 - 2.99 3.00 - 3.49	i 1 <u>i</u> i i	:	:	:	:	:	:	:	:	15 1
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99		•	:	•	:	:	•	:	:	1525110000
TOTAL MEAN HS(M) = 1.79	å 17 LARGEST H	Ô IS(M) = 3	35	Ö MEAN	Ó TP(SEC)	0 = 6.	o S Mui	Ö 18FR OF	Ö CASES =	•
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,	•				
PHASE WAVE A LAT SHORL PERCEN	3 ST 31 PPROACH ANO ON. START= INE ANGLE: T OCCURRENO	20 YE LE(RELA) 45.30N/1 : 180.0 :E(X1000)	AR WA IVE T 23.96 (DEG.	VE DIR D SHOR W L AZ) EIGHT	ECTION ELINE I AT LON WATER AND PER	STATIS N DEGR END= OEPTH IOD BY	TICAL EES)= 45.10 = 10.0	SUMMAR 165.0 BN/123. DO MET CTION	Y - 180.0 98W ERS	
HEIGHT(METERS)	4.4- 6.1 6.0 8.0	8.1~	9.6- 10.5	PERIOD 10.6- 11.7	(SECOND 11.8-1 13.3	§) 3.4- 1 15.3	5.4~ : 18.1	18.2- 2 22.2	2.3- LÖNGER	TOTAL
99999999999999999999999999999999999999	: :	:	:	:	:	:	:	:	:	000
0.50 - 0.499 1.050 - 12.499 2.500 - 23.499 2.500 - 3.499		:		:	:					ŏ
01-12233449 01-122334499 01-122334499 01-1223344499 01-122334445		•	•	:				:	:	00000000000
TOTAL	å å	Ġ	Ò	Ġ	Ö	Ö	Ċ	Ġ	Ó	•
MEAN HS(M) = 0.	LARGEST 1	15(M) = (1.	MEAN	TP(SEC)	= 0.	NU	18ER OF	CASES =	0



WIS STATION 31 (45.30N/ 123.96W TO 45.18N/ 123.98W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R555556666666666777777 R9999999999999999999	היים מעולים של היים מעולים מעולים מעולים של היים מעולים מ	POUR TOUR TOUR TOUR TOUR TOUR TOUR TOUR T	PHONOLYMOLINGUMO	777477743691424611513 7	400012789024518214540 0	8545677979555555559104 7	האונייין אינייין	42545170725544565962 4	68905770059050600572 8	5789999465978869749988 8	17.400.15.407.15.05.07.77.05.05.07.77.05.05.07.77.05.05.07.05.07.05.05.07.05.05.05.05.05.05.05.05.05.05.05.05.05.	navarnammmammmam a	MANAGE AND AND AND AND AND AND AND AND AND AND

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 31 (45.30N/ 123.96W TO 45.18N/ 123.98W)

MONTH

	HAL	FEB	MAR	APR	MAY	HUL	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	847856877792977822689	70525402871501185240	692868745125150656062	nenar-197065070000566	BULYMINALLMYBODDLINGY	จ.พ.ศ. ค.ศ. ค.ศ. ค.ศ. ค.ศ. ค.ศ. ค.ศ. ค.ศ.	งการสารสารสารสารสารสารสารสารสารสารสารสารสา	27-020007-10202-10202-10202-10202-10202-10202-10202-10202-10202-10202-10202-10202-10202-10202-10202-10202-10202	ม.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค	767-2065264264257-1206	804mm10m210008m00666	80434887588882792251 56666566666667657766

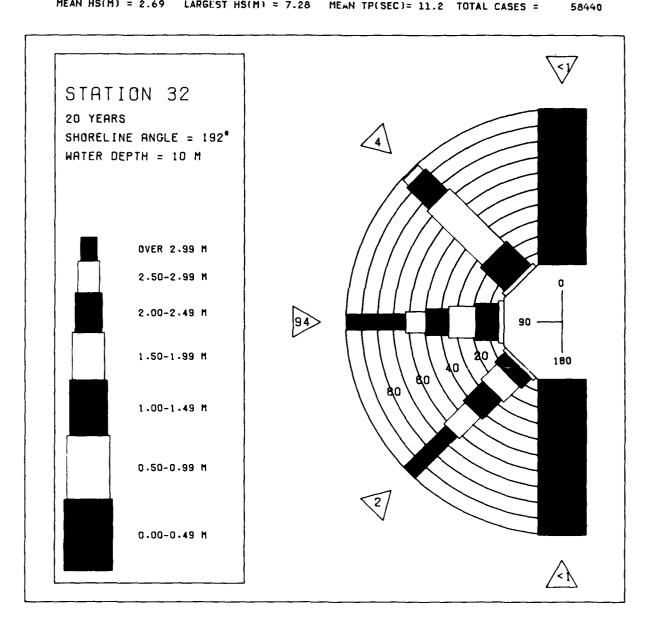
20 YR. STATISTICS FOR PACIFIC STATION 31 (45.30N/ 123.96W TO 45.18N/ 123.98W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2.7
MEAN PEAK WAVE PERIOD (SECONDS)	11.2
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES) STANDARD DEVIATION OF WAVE HS (METERS)	70.0
STANDARD DEVIATION OF WAVE TP (SECONDS)	2.4 7.3
LARGEST HAVE HS (METERS) WAVE TP ASSOCIATED WITH LARGEST HAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	16:7
WAVE TP ASSOCIATED WITH LARGEST WAVE HS (METERS) WAVE AGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	16.7 84.1
DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	63102406

PHASE MAYE A LAT L SHORE PERCEN	3 ST 32 APPROACH AN ON. START= THE ANGLE IT OCCURREN	GLE(RELA 45.18N/ = 192.0	EAR WA TIVE 1 123.98 (DEG.	VE DIR	ECTION ELINE I AT. LON WATER AND PER	STATIS N DEGE END: DEPTH IOD BY	STICAL REES)= 45.00	SUMMAI 0 6N/124 00 ME CTION	RY -01W TERS	
HEIGHT(METERS)	4,4- 6,1 6.0 8.				(SECOND 11.8- 1 13.3				22.3- LONGER	TOTAL
99999999999999999999999999999999999999	6.U 8.		10.5 : : :	ii. /	13.3	15.3 : : : :	18.1 : :	22.2	LUNGER	00000000000
MEAN HS(M) = 0.	LARGEST	HS(M) =	0.	MEAN	TP(SEC)	= 0	. NUI	MBER O	F CASES =	0
PHASE WAYE A LAT L SHORE! PERCE! HEIGHT(METERS)	3 ST. 32 APPROACH AN ON. STARTS INE ANGLE IT OCCURREN	GLE(20 Y GLE(RELA 45.18N/ = 1920 CE(X1000							RY .0144.9 ters	TOTAL
	4.4- 6.1 6.0 8.	ō 8,1-	9.6- 10.5	10.6-	(SECOND 11.8-1	3.4- 1 15.3	18.1	18.2- : 22.2	22.3- LÖNGER	TOTAL
0.4999999999999999999999999999999999999	18 71 423 					•		•		174
TOTAL MEAN HS(M) = 1.37	134 Ö LARGEST	0 HS(M) =	Ò 2.16	Č MEAN	Û TP(SEC)	= 5.	.0 NUI	Ö MBER OI	Ò F CASES =	- 80
PHASE WAYE LATE SHORE PERCEN	3 ST 32 APPROACH AN ON STARTS INE ANGLE IT OCCURPEN	20 Y GLE(RELA 45.18N/ = 192.0 CE(X1000	EAR WA TIVE T 123.98 (DEG.						RY 	
	3 ST i CH 3 AN ONL STACKE TO COUR PEN 107 2728 2771 242 8 2171 242 8 2171 2445 1826	8 142452523 · · ·	FAR W 1986 1 23.66 + 22.3 · · · · · · · · · · · · · · · · · · ·		ECTION IN ELINE ON INTERNATION PER INTERNATION IN ELECTRIC IN ELEC				RY 74.9 TERS 22.3- LONGER :	TOTAL 216185665 206585653000
HEIGHT (METERS) - 0.9499 - 0.9499 - 1.223349 - 0.505000 - 1.2233549 - 1.2233549 - 1.2235000 - 1.22355000 - 4.59	4.4- 6.1 6.3 107 270 1557 571 248 213 	8 5 1150 1424 150 150 150 150 150 150 150 150 150 150	9.65 i 223 	PERIOD 10.6-7 11.7 i	(SECOND 11.8-1 13.3	\$)4- 1 15.3	18.1	18.22		321-055-05 20-1535-05-30-00 20-1535-5-4 20-1535-6-5-30-00
HEIGHT (METERS) 0.499 0.0499 1.500 - 1.949 2.500 - 2.949 2.940 - 2.940 - 2.949 2.940 - 2.940 - 2.949 2.940 - 2.940 - 2.940 - 2.940 - 2.940 - 2.940 - 2.940 - 2.940 - 2.940 - 2.940 - 2.940 - 2.940 -	4.4- 6.1 107 90 107 277 1557 577 242 212 	- 8 ; 1 ; 3 ; 3 ; 4 ; 4 ; 5 ; 4 ; 5 ; 5 ; 6 ; 6 ; 6 ; 6 ; 6 ; 6 ; 6 ; 6	9.65 10.5 22 3 26 3.77 EAR WA	PERIOD 10.6.7 i i MEAN VE SHORE VALUE IGHT	(SECOND 113.3 1 13.3 1 1 0 TP(SEC) ECTION IN ECTIVED AT LON AND TER AND TER AND TER	9315.3 15.3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	15.4- 18.1	18.2-2.2 22.2 	22 3- LÓNGER : : : : : : : : : : : : : : : : : : :	216153565 21615365 21615365 21615365 21615365 21615365 21615365 21615365 21615365 21615365 21615365 21615365 21615365 21615365 21615365 21615365 21615365 21615365 21615365 21615365 2161536 21615
HEIGHT (METERS) 0.49 0.50 - 0.49 1.50 - 1.99 1.500 - 2.49 2.500 - 3.49 3.500 - 4.99 4.50 - 4.99 5.00 + H. H. H. H. H. H. H. H. H. H. H. H. H.	4.4- 6.1 107 90 107 277 1557 577 242 212 	- 8 ; 1 ; 3 ; 3 ; 4 ; 4 ; 5 ; 4 ; 5 ; 5 ; 6 ; 6 ; 6 ; 6 ; 6 ; 6 ; 6 ; 6	9.65 10.5 22 3 26 3.77 EAR WA	PERIOD 10.6.7 i MEAN VE SHORE WE SHORE WE SHORE PERIOD 10.6.7	SECOND 113.3 1 13.3 1 13.3 1 13.3 1 15.3 1 15.3 1 15.3 1 15.3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9315.3 15.3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	15.4- 18.1	18.2-2.2 22.2 	22 3- LÓNGER : : : : : : : : : : : : : : : : : : :	216535 21653 216535 21653 2
HEIGHT (METERS) 0.499 0.0499 1.500 - 1.949 2.500 - 2.949 2.940 - 2.940 - 2.949 2.940 - 2.940 - 2.949 2.940 - 2.940 - 2.940 - 2.940 - 2.940 - 2.940 - 2.940 - 2.940 - 2.940 - 2.940 - 2.940 - 2.940 -	4.4- 6.1 107 90 1557 5771 242 213 	-0 15 15 15 15 15 15 15 15 15 15 15 15 15	9.0 10 2 3	PER 100-7 1111111111111111111111111111111111	(11 1 12222235 O E C N IN R R R R R R R R R R R R R R R R R	31	15.6.1 NUI 15.6.1 NUI 15.6.3.7 1.5	18.2-2 22.2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.3- LONGER : : : : : : : : : : : : :	77 T 1936740791111 1936740791111 1936740791111 1936740791111 19367407911111 19367407911111 19367407911111111111111111111111111111111111

PHASE WAVE A Lati Shorel Fercen	3 ST PPROÁCI ON. ST INE AN T OCCU	32 H ANGL ART= 4 GLE = RRENCE	20 Y E(RELA 5.18N/ 192.0 (X1000	EAR WA TIVE T 123.98 (DEG.	VE DIR O SHOP SW AZ) IEIGHT	ECTION ELINE AT. LOI MATER AND PER	STATIS TH DEGF DEPTH OEPTH RIOD BY	TICAL REES)= 45.06 = 10.0 DIREC	SUMMAF 105.0 N/124 O ME TION	7Y - 134.9 01W TERS	
HEIGHT(METERS)	4.4-	6.1- 8.0	8,1-	.6- 10.5	PERIOD	(SECONI 11.8-3)5) 13:4- 1	15.4- 1 18.1	8.2- i	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	231343371	128 179 160 868 11 	257964888 22578488 14777 1129	48555851 9	1302 27827 27827 13727 13737 13734 1444	87 1556 2568 1816 1776	30538122 16538122 36	: : : : : : : : : : : : : : : : : :			04158005667 0677469469 2478996421
MEAN HS(M) = 2.85	LARG	EST HS	S(M) =	6.38	MEAN	TP(SEC) = 10.	.5 NUM	IBER OF	CASES =	3418
PHASE WAYE A LAT SHOREL PERCEN	3 ST. PPROACI ON. ST. INE AN	32 H ANGI ART= 2 GLE = RRENCE	20 Y E(RELA 1920 1920 (X1000					STICAL REES)= 45.06 = 10.00 (DIREC	SUMMAF 135.0 N/124 10 ME1	?Y - 164.9 .01W TERS	
HEIGHT(METERS)	4.4 <u>-</u> 6.0	6.1- 8.0	8,1 <u>-</u>	9.6- 10.5	PERIOD 10.6-	(SECONI 11.8- 13.3)§) [3.4-] 15.3	5.4- I 18.1	8.2- 8 22.2	2.3- LONGER	TOTAL
- 0.499 - 0.4999 - 11.22999 - 11.22999 - 12.239499 - 23.34499 - 449999 - 4499999 - 449999 - 449999 - 449999 - 449999 - 449999 - 449999 - 449999 - 44999 - 4499	i 10 6 	1185103 · · · · · 57	i i :	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·					: : : : : :	02820300000 1881
MEAN HS(M) = 1.53	LARG	EST HS	6(M) =	2.63	MEAN	TP(SEC) = 6.	.7 NUM	IBER OF	CASES =	47
PHASE WAYE A LAT L SHOWEL PERCEN HEIGHT(METERS)	3 ST PPROAC ON. ST INE AN T OCCU	32 H ANGI ART= 4 GLE = RRENCE	20 Y E(RELA 5.18N/ 192.0 E(X1000			ECTION ELINE AT LOS WATER AND PER		STICAL REES)= 45.06 = 10.0	SUMMAF 165.0 N/124 0 ME1 TION	?Y - 180.0 .D]W TERS	TOTAL
	464ã	6.1- 8.0	8,1 <u>-</u> 9.5	9.6- 10.5	10.6.7	11.8- 13.3	15.3	15.4- 1 18.1	8.2- 2 22.2	22.3- LONGER	
				·	·						10000000000

MEAN HS(M) = 0.47 LARGEST HS(M) = 0.47 MEAN TP(SEC) = 4.5 NUMBER OF CASES =



WIS STATION 32 (45.18N/ 123.98W TO 45.06N/ 124.01W)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC	
R67890123456789012345 P55556666666789012345	779262222674848-4-7746	202700100000000000000000000000000000000	กที่การเกาะสายสายสายการการเกาะสายสายสายสายสายสายสายสายสายสายสายสายสายส	874778477974774770674	\$001-177800745-1922N41	9545777797457576801144	111111111111111111111111111111111111111	47545470845744655067	66995770869950610572	นางการการการการการการการการการการการการการก	174195187386777795838	52301600038051267925	N51597777677661519879194
MEAN	3.8	3.6	3.2	2.7	2.0	1.7	1.6	1.5	1.8	2.8	3.7	4.0	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 32 (45.18N/ 123.98W TO 45.06N/ 124.01W)

HTHOM

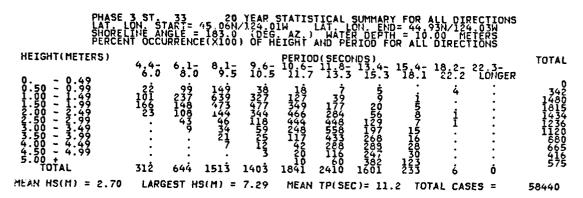
	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	046666555655546666666666666666666666666	7042479177425011464170	77286785311400084251 5554455454556666666	58458494684870971567	ๆงณ44688%47.07.98ณฑม ภาษาการณ44กณณฑณฑฑฑษา	95260169070675754769	95946144845156547911	ณาของสามารถสามาร	ณฑิกาณาธาราชการณฑิการการณฑิการการณฑิการณฑิการณฑิการณฑิการณฑิการณฑิการณฑิการณฑิการณฑิการณฑิการณฑิการณฑิการณฑิการ	888-M-18MM-14-4-14-4-14-4-14-4-4-4-4-4-4-4-4-4-4	7-1433-1943-100063604 46666666666566666666	70345906333710712221

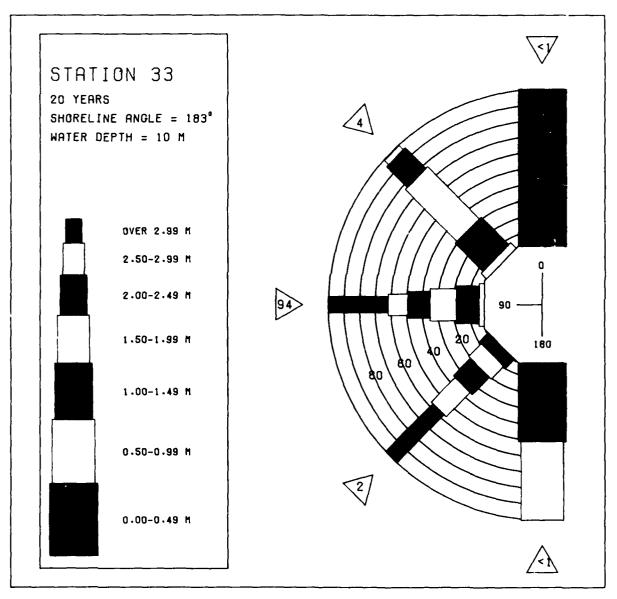
20 YR. STATISTICS FOR PACIFIC STATION 32 (45.18N/ 123.98W TO 45.06N/ 124.01W)

MEAN SIGNIFICANT HAVE HEIGHT (METERS)	2.7
MEAN PEAK WAYE PERIOD (CENTER) DIRECTION BAND (SECONDS)	11.2
STANDARD DEVIATION OF WAVE HS (METERS)	71.2
STANDARD DEVIATION OF WAVE TP (SECONDS) LARGEST WAVE HS (METERS)	1.2 2.5 7.3
WAVE TO ASSOCIATED WITH LARGEST WAVE HS (SECONDS)	
ÁVÉRAGE DÍRECTION ASSOCIATED WITH LARGEST WAVE AS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	63102409
DATE OF LARGEST HS OCCURRENCE IS (TR, MO, DA, HR)	63102409

PHASE HAVE SHORE HAVE SHORE HAVE SHORE HEIGHT (METERS) 0.500 - 0.9499 11.500 - 1.4999 12.500 - 1.4999 12.500 - 1.4999 12.500 - 1.4999 12.500 - 1.4999 12.500 - 1.4499 13.500 + 1.4499 15.000 + 1.4499 15.000 + 1.4499 16.000 + 1.4499 17.000 + 1.4499 18.000	3 ST 33 APPROACH ANGLE LON START = 4 LINE ANGLE = NT OCCURRENCE 4.4- 6.1- 6.0 8.0	8 1 5 9 6 5 10 5 10 5 10 5 10 5 10 5 10 5 10 5		ONDS) - 13:4- 15:6 - 15:3 18:	18.2- 22 1 22.2 I.O	TOTAL 3- NGER
PHASE WAVER FERCE HEIGHT (METERS) 0.50 - 10.499 10.500 - 11.499 10.500 - 13.499 10.500 - 13.499 10.500 - 14.999 10.500 - 14.999 10.500 - 15.000 10.500 - 15.000 10.500 - 15.000 10.500 - 15.000 10.500 - 15.000 10.500 - 15.000 10.500 - 15.000 10.500 - 15.000 10.500 - 15.000 10.500 - 15.000 10.500 - 15.5	3 ST 33 APPROACH 3 ANGLE 10N START = 1 LINE ANGLE = 1 NT OCCURRENCE 4 4 - 6 1 - 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8,1- 9,6- 9.5 10.5 		ONDS) - 13:4- 15:4 3 15:3 18 : : : :	18.2- 22. 1 22.2 LOI	TOTAL 3- NSER 0 - 29 - 270 - 313 - 28 - 0 - 0 - 0 - 0 - 0 - 0 - 0
PHASE WAVE WAT RE P - RE HEIGHT (METERS)		8 1 9 6 5 10 5 10 5 10 5 10 5 10 5 10 5 10 5		ONDS) - 13:4- 15:3 15:3 16:	- 18.2- 22. 1 22.2 LOI	TOTAL 3- GER - 62189 - 2189 - 2359 - 276 - 276 - 37
PHASE WAVE LAT. SHOPE LAT. SHOPE HEIGHT (METERS)	. 136 : 46 : 1 : :	8 · 1 - 9 · 6 - 5 9 · 5 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1	PER IOD (\$1.3 6.3 7.5 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	0ND 5 1 1 5 6 7 5	18.2- 22.00 46. 10. 10. 10. 6. 10. 6. 10. 6.	TOTAL TOTAL TOTAL TOTAL 142 1212505 1214693 1052558 45ES = 51989

PHASE AR NAVE AR LAT SHOREL SHOREL	ST PROACI N. ST NE AN	33 H ANGL ART = 4 SLE = PRENCE	20 Y E(RELA 5.06N/ 183.0 (X1000	EAR WA TIVE T 124.01 (DEG.	VE DIR O SHOR W L AZ.) EIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIS IN DEGI I. END: OEPTH RIOD BY	TICAL PEES) = 44.9 = 10.1	SUMMAR 105.0 3N/124. 00 ME1 CTION	134.9 03W TERS	
HEIGHT(METERS)	4.4-	6.1 ₀	8,1,	9.5- 10.5	PERIOD 10.6- 11.7	(SECOND 11.8-1	(\$) 15.3	15.4- 1 18.1	18.2- 2 22.2	2 3- LONGER	TOTAL
0.50 - 0.49 0.50 - 1.49 1.50 - 1.49 2.00 - 2.49 2.50 - 2.49 3.50 - 3.99 3.50 - 4.49 4.50 - 4.99 5.00 - 4.99 5.00 - 4.99	10 29 3	32 107 87 59 70 15	209607883 10265272	1529 1334 1344 140 1	2344 21157 11157 11997 1997 964	17 59 126	: : : : : : :	i	•	:	02172121615 54574784115 234655322
4:00 - 4:49 4:50 - 4:99 5:00 + TOTAL	: 42	373	23 80i	44 10 1 624	113 90 47 964	15266110413 128510413	\$ 111 290 584 174	<u>i</u> 5 7	ŏ	: ò	346 211 215
MEAN HS(M) = 3.11	LARG	EST HS	(M) =	6.69	MEAN	TP(SEC		.4 NUI	MBER OF	CASES =	2171
PHASE I WAYE AF LAT L SHOPEL PERCENT	S ST PROACI ON. ST. INE ANI	33 H ANGLI ART = 4: GLE = RRENCE	20 Y E(RELA 5.06N/ 183.0 (X1000							164.9 02H TERS	
HEIGHT(METEPS)	4.4- 6.0	6.1- 8.0	8,1- 9.5	9.6- 10.5	PERIOD 10.6- 11.7	(SECONE 11.8-	(\$) 13.4- 1 15.3	15.4- 1 18.1	18.2- 2 22.2	2.3- LONGER	TOTAL
- 0.49 0.50 - 1.49 1.500 - 1.49 2.500 - 2.49 2.500 - 3.49 3.500 - 4.99 4.500 - 4.99 5.00 + 4.99	153	3 10 10 1	ò				ò	· · · · · · · · · · · · · · · · · · ·			10010000
MEAN HS(M) = 1.78	•	EST HS	=	•	-	TP(SEC	-	•	-	CASES =	19
PHASE AF WAYE AF LATEL SHORE PERCENT	S ST. PROACI ON. ST. INE AN	33 H ANGL ART = 4: GLE = PRENCE	20 Y E(RELA 5.06N/ 1830 (X1000							7 - 180.0 034 FERS	
HEIGHT(METERS)	4.4 <u>-</u> 6.0	6 ₈ 1-	8,1-	9.6- 10.5	PERIOD 10.6- 11.7	(SECONE 11.8- 1	(5) 13.4- 1 15.3	5.4- : 18.1	18.2- 2 22.2	2.3- LONGER	TOTAL
0 0.49 0.50 - 0.49 1.50 - 1.49 1.50 - 1.49 2.50 - 2.49 3.50 - 3.49 4.50 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99				•				:		:	00000000000
4.00 - 4.49 4.50 - 4.99 5.00 + 4.99	: à	Ò	:	: ò	Ò	ò	:	:	: Ó	:	0
MEAN HS(M) = 0.	LARG	EST HS	-	-	•	TP(SEC	•	וטא		CASES =	0





WIS STATION 33 (45.06N/ 124.01W TO 44.93N/ 124.03W) MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	あ?このペアカカカアア58500-1574456 か?このペアカカカアア58500-1574456	nouthathannoutannann	さいしょう のでしょう こうしょう しょうしょう しょう	77477743791484401	4001-177-890045-1904-1914	85/45/77797-15/50/7-680-1-14	547755534855555555564 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	475452707255744565962	17701770869050600572	57891036507880742988	17419518739677796838	5244474474777547754775477	N.659777665579679194
MEAN	3.8	3.7	3.2	2.7	2.0	1.7	1.5	1.4	1.8	2.8	3.7	4.1	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 33 (45.06N/ 124.01W TO 44.93N/ 124.03W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Y1111990123456789012345	6466665565565574666655	79521549218721504575140	<u> </u>	54654455444556546454	82-1475/8-1-1778/98-1754	งห่งเกษากากกากงงเกรเกษากางง	04875-m4847-156547011	ณะเกราะสายการการการการการการการการการการการการการก	66905+0ภายกระทากกระทางกระทาง	7771#1073264265387226	7045519551109085906655	80434837433821702231 56666566666667667766

20 YR. STATISTICS FOR PACIFIC STATION 33 (45.06N/ 124.01W TO 44.93N/ 124.03W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2.7
MEAN PEAK WAVE PERIOD (SECONDS) MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	11.2
<u>SIANDARD DEVIATION OF WAVE HS (METERS)</u>	71:3
STANDARD DEVIATION OF WAVE TP (SECONDS) LARGEST WAVE HS (METERS)	2.4
LARGEST MĀVĒ HS MĀVĒ TP ASSOCIĀTED WITH LARGEST MĀVĒ HS AVĒRAGĒ PĪRECIĪON ASSOCIĀTED MITH LARGEST MĀVĒ HS (DEGREES)	16:7
MÄVE TÞ ÁSSÖCÍÁTEÐ WITH LÁRGEST MÁVÉ HS (SECÖNÖS) AVERAGE DÍRECTÍON ASSOCIÁTED MITH LÁRGEST MÁVÉ HS (DEGREES) DATE OF LÁRGEST HS OCCURRENCE IS (YR,MO,DA,HR)	63102406

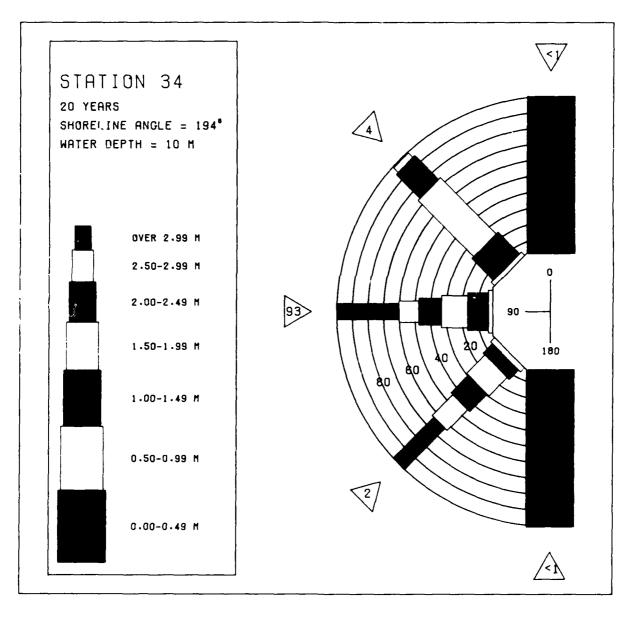
PHASE HAVE LATORE PERCEN	3 ST. 34 APPROACH ANG LOM. START= LINE ANGLE = NT OCCURRENC	20 YEAR LE(RELATIVE 44.93N/124 194.0 (DE E(X1000) O	WAVE DIR TO SHOP 03W (G. AZ.) HEIGHT	ECTION ST ELINE IN AT. LON. WATER DE AND PERIO	ATISTICAL DEGREES)= END= 44.83 PTH = 10.0 D BY DIREC	SUMMARY 0 - 14.9 SN/124.08W 10 METERS	9
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0				4- 15.4- 1 .3 18.1		TOTAL
99999999999999999999999999999999999999		9.5 10		:		LET LUNGER	0000000000
2.50 - 2.99 3.50 - 3.49 3.50 - 3.99	: :	•		:	:	: :	0
4.50 - 4.49 5.00 + .		•		:	: :	: :	0
TOTAL MEAN HS(!!) = 0.	U U Largest H	•	0 (MEAN	O TP(SEC) =	0 0 0. NUM	0 0 1BER OF CASES	= 0
PHASE WAYE LATORE PERCEN	3 ST 34 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC	20 YEAR LE(RELATIVE 44.93N/124 194.0 (DE E(X1000) OF					9
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6 9.5 10	PERIOD 10.6- 5 11.7	(SECONDS) 11.8- 13. 13.3 15	4- 15.4- I .3 18.1	18.2- 22.3- 22.2 LONGER	TOTAL
0.4999999999999999999999999999999999999	17 : 172 : 200 17	:	:	•	: :	: :	1727 1717 2130 000 000
1.50 - 2.49 2.50 - 2.99	200 17 : 13	•	:	•	: :	: :	13
3.00 - 3.49 3.50 - 3.99 4.00 - 4.49	• •	•		:	: :	: :	0
4.50 - 4.99 5.00 + TOTAL	 389 30	Ò (Ö	 0 0	· · · · · · · · · · · · · · · · · · ·	8
MEAN HS(M) = 1.51	LARGEST H	IS(M) = 2.13	L MEAN	TP(SEC) =	5.3 NUM	1BER OF CASES	= 246
PHASE WAVE / LAT / SHORE PERCER	3 ST. 34 APPROACH ANG LON. START = LINE ANGLE = NT OCCURRENC	LE(20 YEAR LE(RELATIVE 44,93N/124 1,430 (DE	WAVE DIR TO SHOR O3W L EG AZ.) F HEIGHT	ECTION ST ELINE IN AT LON. WATER DE AND PERIO	ATISTICAL DEGREES)= END= 44.8! PTH = 10.0	SUMMARY 345.0 - 74.9 34.124.08W 30.124.08W 31.00 31.00 31.00	9
HEIGHT(METERS)			DEDION		4- 15.4- 1 3 18.1		TOTAL
0:50 - 0:49 0:50 - 0:99	4.4~ 6.1- 6;0 8.0 116 7i 653 304 1675 675 154 215	8,1- 9,0 9,5 10 37		:	.3 18.1	22.2 LUNGER	227
0	1675 675	37 39 1 32	3 . 1 .	•			1009
2.50 - 2.99	134 744	15		:	: :		1113
3.00 - 3.49 3.50 - 3.99	. 27	37 39 15 15 13			: :		1113
1-2000000000000000000000000000000000000	. 215 . 27 . 27	13	· · · · · · · · · · · · · · · · · · ·				1113
3.500 - 3.499 4.500 - 4.499 4.500 + 4.99 5.00 TOTAL	2599 2236	: : 152 10		•			37933820000 208124 1212 1212 1212 1212 1212 1212 1212
3.00 - 3.49 3.50 - 3.49 4.50 - 4.99 5.00 - 4.99 5.00 - 4.79 TOTAL MEAN HS(M) = 1.77	2599 2236	: : 152 10		•	-		
MEAN HS(M) = 1.77	2599 2236 LARGEST H	: 152 1 IS(M) = 3.5	MAYE SHIRE TO SHORE T	TP(SEC) = RECIION ST RELINE IN AT LON ATTEN DE AND PERIO	ATISTICAL DEGREES! END= 44.83 PTH = 40.83 D BY DIRECT	SUMMARY 75.0 - 104. 377.24.08W 00 METERS	= 2932
MEAN HS(M) = 1.77 PHASE HAYE LATSHORE PERCEI	2599 2236 LARGEST H APPROACH AS APPROACH AS LON STARTS LON ST	152 10 15(M) = 3.50 15(M) = 3.50 20 YEAR 20 YEAR 144.93N/124 44.940 (0) 15(X1000) 0	MAYE SHIRE TO SHORE T	TP(SEC) = RECIION ST RELINE IN AT LON ATTEN DE AND PERIO	ATISTICAL DEGREES! END= 44.83 PTH = 40.83 D BY DIRECT	SUMMARY 75.0 - 104. 377.24.08W 00 METERS	= 2932 9 TOTAL
MEAN HS(M) = 1.77 PHASE HAYE LATSHORE PERCEI	2599 2236 LARGEST H APPROACH LONE START = 1000 START =	: 152 10 15(M) = 3.50 15(M) = 3.50 15(R) YEAR 14(R) 15(R) 15(R) 15(R) 16(R) 16(R) 16(R) 16(R) br>16(R) 16	MAYE DIR	TP(SEC) = RECIION ST RELINE IN ATT LON WATER DE AND PERIO (SECONDS) 13.3	ATISTICAL DEGREES)= END= 44.83 PTH = 10.0 DBy DIREC	SUMMARY 75.0 - 104. 3N/164.08H 10 METERS TION 18.2- 22.3- 22.2 LONGER	= 2932 9 TOTAL
MEAN HS(M) = 1.77 PHASE HAYE LATSHORE PERCEI	2599 2236 LARGEST H APPROACH LONE START = 1000 START =	: 152 10 15(M) = 3.50 15(M) = 3.50 15(R) YEAR 14(R) 15(R) 15(R) 15(R) 16(R) 16(R) 16(R) 16(R) br>16(R) 16	MAYE DIR HAYE SHOR HAYE HOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAY SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAY SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY	TP(SEC) = RECIION ST RELINE IN ATT LON WATER DE AND PERIO (SECONDS) 13.3	ATISTICAL DEGREES)= END= 44.83 PTH = 10.0 DBy DIREC	SUMMARY 75.0 - 104. 3N/164.08H 10 METERS TION 18.2- 22.3- 22.2 LONGER	= 2932 9 TOTAL
MEAN HS(M) = 1.77 PHASE HAYE LATSHORE PERCEI	2599 2236 LARGEST H APPROACH LONE START = 1000 START =	: 152 10 15(M) = 3.50 15(M) = 3.50 15(R) YEAR 14(R) 15(R) 15(R) 15(R) 16(R) 16(R) 16(R) 16(R) br>16(R) 16	MAYE DIR HAYE SHOR HAYE HOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAY SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAY SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY	TP(SEC) = RECIION ST RELINE IN ATT LON WATER DE AND PERIO (SECONDS) 13.3	ATISTICAL DEGREES)= END= 44.83 PTH = 10.0 DBy DIREC	SUMMARY 775.0 - 104.3 307.124.084 00 METERS 01.014 08.2- 22.3- 22.2 LONGER 30.5	= 2932 9 TOTAL
MEAN HS(M) = 1.77 PHASE WAY SHORE HAT CREE HEIGHT (METERS) 0.50000000000000000000000000000000000	2599 2236 LARGEST H APPROACH LONE START = 1000 START =	: 152 10 15(M) = 3.50 15(M) = 3.50 15(R) YEAR 14(R) 15(R) 15(R) 15(R) 16(R) 16(R) 16(R) 16(R) br>16(R) 16	MAYE DIR HAYE SHOR HAYE HOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAY SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAY SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAYE SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY SHOR HAY	TP(SEC) = REC(ION ST RELINE IN RELINE IN AND PERIOD (SECONDS) 5 470 (SECONDS) 6 108644 (SECONDS) 1 13.39 15.39 15.39 15.444 1684 1684 1684 1684 1684 1684 1684 1	ATISTICAL DEGREES)= END= 44.83 PTH = 10.0 DBy DIREC	SUMMARY 75.0 - 104.3N 75.0 - 1	= 2932 9 TOTAL
MEAN HS(M) = 1.77 PHASE HATTORY SHORE HEIGHT (METERS)	2599 2236 LARGEST H 34NG HARTEST APPROASTAGE LITTO 46.0 5820 1630 1630 1630 1630 1630 1630 1630 163	152 10 15(M) = 3.50 15(M) = 3.50 20 YEAR 20 YEAR 144.93N/124 44.940 (0) 15(X1000) 0	MEAN MEAN MEAN MEAN MEAN MEAN MEAN MEAN MEAN MEAN MAYE SHOR 170 170 170 170 170 170 170 17	TP(SEC) = REC(ION ST RELINE IN LONG AND PERIO (SECONDS) 11.8-13.	ATTISTICAL STREET STREE	SUMMARY 75.0 - 104.3 N.75.0 - 104.3 N.75.0 - 104.3 N.75.0 N. S.	= 2932 9 TOTAL 16440514811931194 2474551481110861127

PHASE WAVE A LATOREL SHOREL PERCEN	3 ST PPROACH ON. ST INE AND I OCCUP	34 1 ANGL ART = 4 3LE = RENCE	20 Y E(RELA 4.93N/ 194.0 (X1000	EAR WATIVE	AVE DIR TO SHOR SW L AZ) TEIGHT	ECTION ELINE AT. LO MATER AND PE	STATI	STICAL REES)= 44.81 = 10.0 Y DIREC	SUMMAR 105.0 N/124 NO MET	134.9 08W ERS	
HEIGHT(METERS)	4.4 <u>-</u> 6.0	6 . 1 - 8 . 0	8,1- 9.5	9.6- 10.5	PERIOD 10.6- 11.7	(SECON 11.3- 13.3	05) 13.4- : 15.3	15.4- 1 18.1	18.2- 8 22.2	22.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 1.49 1.50 - 1.29 2.50 - 2.49 2.50 - 2.49 2.50 - 3.49 3.50 - 4.99 5.00 + 4.99 5.00 + 4.99 5.00 + 4.99	25 139 3	119 136 121 85 61 83	47323600 183711	384775278 12218218	17641824653 1280011613 14613	176659885 12221885 113221885	17 633 77 71 77	:	:	· · · ·	191 459 779 870 934 917 706
4:50 - 4:99 5:00 tal MEAN HS(M) = 2.83	: 78 Largi	_	1172 (M) =	95 ¹		105 80 1135 TP(SEC	379	5 1i .5 NUM	Ó 18ER OF	0 : Cases =	706 431 245 173
		-									
		ANGL ART= 4 GLE = RRENCE	E(RELA 4.93N/ 194.0 (X1000	124.0 124.0 (DEG		ECTION ELINF AT. LOI WATER AND PEI		REES]= = 44.8; = 10.0 Y DIREC	135.0 30/124 30 ME1 TION	- 164.9 C8W ERS	T 0 T 41
HEIGHT(METERS)	46,40	6.1 ₀	8 _{9.5}	9.6- 10.5	10.6	SECON 113.3	13.4- 1 15.3	15.4- 1 18.1	18.2- 2 22.2	2.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 0.99 1.50 - 1.99 2.00 - 2.49 2.50 - 2.49 2.50 - 3.49 3.50 - 3.49 4.50 - 4.99 5.00 - 4.99 5.00 - 4.99	10 1 :	23 20 20 •	: i 3		:		:	•			14029000000
3.00 - 3.49 3.50 - 3.49 4.00 - 4.99 5.00 +		•	•	•	•	•	:	•		•	00000
MEAN HS(M) = 1.33	13 Largi	69 EST HS	4 (M) =	0 2.27	Ö MEAN	0 TP(SEC	0) = 6	0 1UN 8.	0 1BER OF	U CASES =	54
PHASE WAYE A LAHOREL SHOREL PERCEN	3 ST PPROACI ON ST INE AN	34 H ANGL ART = 4 SLE = 4 SLE = 5 RENCE	20 Y E(RELA 4.93N/ 1.94.000	EAR WALL OF I				STICAL REES)= = 44.81 = 10.60 y DIREO	SUMMAF 165.0 30/124. 20 ME1	RY - 180.0 .08W TERS	
HEIGHT(METERS)	4,4-	6,1- 8.0	8,1-	9.6- 10.5	PERIOD 10.6- 11.7	(SECONI 11.8- 13.3	05) 13.4- 15.3	15.4- 1 18.1	18.2- 2 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	:	:	•	:	:	:	:	•	:	:	10000000000
00-1-1223334499 	: : :	: : :	: : :	: : :	:	:	: : :	: : :	:		300000
MEAN UC(M) ~ 0 40	LADC	U Fet ue	Ò.	0 60	Ö	Ů TRI SEC		<i>0</i>	Ó	U	

MEAN HS(M) = 0.49 LARGEST HS(M) = 0.49 MEAN TP(SEC) = 4.5 NUMBER OF CASES = 1

PHASE 3 ST. 34 = 20 YEAR STATISTICAL SUMMARY FOR ALL DIRECTIONS LAT LON. START= 44.93N/124.03W LAT LON. END= 44.83N/124.08W SHOPELINE ANGLE = 194.0 (DEG. AZ.) WATER DEPTH = 10.00 METERS PERCEIT OCCURRENCE(X100) OF HEIGHT AND PERIOD FOR ALL DIRECTIONS

PERCEIN	Ť OCCU	RRENCE	E(X100)	OF HE	EIGHT A	NO PER	RIOD FO	R ALL C	DIRECT	IONS	
HEIGHT(METERS)	4,4-	6.1-	8,1-	9.6-	PERIOR)(SECO)	NDS)	15.4- 1	18,2-	22.3- LONGER	TOTAL
	2i 96 201 18	78 207 151 139 42 10	133 577 464 138 44 24	2958170 245171	11.7 99.3 113.8 45.5 21.3 45.5 21.3	\$35978E	4702555 252555	i i 7 6 15	3 i	:	15933 23313353 1142114 11441414 11441414
4:50 - 4:49 4:50 - 4:49 5:00 + TOTAL	: 336	: 627	1402 1402	20 2 1395	15 15 1830	297 122 2424	261 262 262 1687	28 31 144 254		: :	663 643 643
MEAN HS(M) = 2.76	LARG	EST H	s(M) =	7.21	MEAN	TP(SE	C)= 11.	2 TOT	AL CAS	ES =	58440



WIS STATION 34 (44.93N/ 124.03W TO 44.83N/ 124.08W)

	_		_		
м	n	N	ш	н	

	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E9999996666666789012345	770274747758497152457	manayammanayammyam	การการของสาราชายยยยยยยยยยยยยยยยยยยยยยยยยยยยยยยยยย	9.8.6889.4m7.9.2เกาเกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะเ	かっしているとうないのできるというというというというというというというというというというというというというと	95557880715767691215	171777777777777777777777777777777777777	55656271826544676165 10111111111111111111111111111111111	789168888600507710482	6889 ผลาครามการกราชการสงารกราช	29525668879778797848	633147110599553777055	N660000770765500 00005 EARL MARKET CONTROL OF THE C
MEAN	3.8	3.7	3.3	2.8	2.1	1.8	1.6	1.5	1.8	2.9	3.7	4.1	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 34 (44.93N/ 124.03W TO 44.83N/ 124.08W)

MONTH

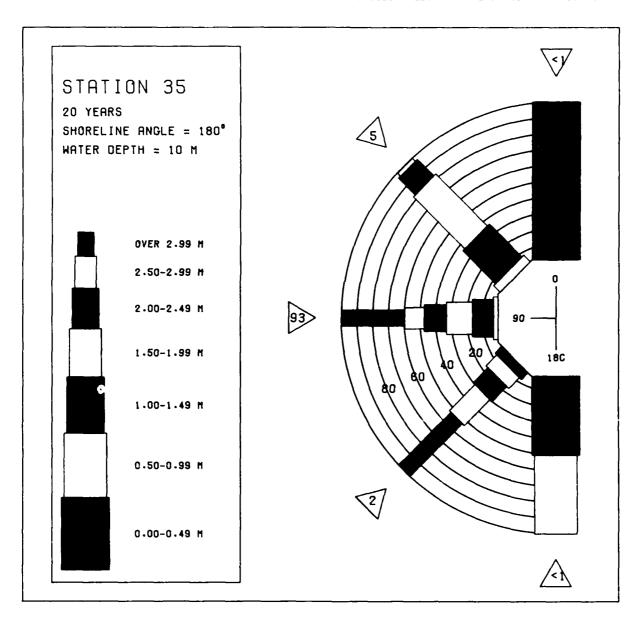
	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	97674775900446614607 546666556665554666665	60n2nno-485nno-4084-469	084951467325333396354	19468584965608003597 646544434444465566454	4747770005779194557	76179279720024667760	ชาที่จะสาย ของสาย ข	2-122222222222222222222222222222222222	งกระกระกระกระกระกระกระกระกระกระกระกระกระก	80916202495667949	81436384319367272664	566666666667676666766

20 YR. STATISTICS FOR PACIFIC STATION 34 (44.93N/ 124.03W TO 44.83N/ 124.08W)

MEAN SIGNIFICANT MAYE HEIGHT (METERS)	12.8
MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	90:0
MEAN SIGNIFICANT WAVE HEIGHT MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND . (DEGREES) STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (METERS) LARGEST WAVE HS	1.3 2.5 7.2
LARGEST HAVE HS (METERS)	7.2
AVENAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS	89.6
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	63102409

PHASE VAYE LAT SHORE PHORE	3 ST 35 APPROACH ANGL LON. START= 4 INE ANGLE = IT OCCUPRENCE	20 YEAR W E(RELATIVE 44.83N/124.00 180.0 (DEG E(X1000) OF I	AVE DIRECTION TO SHORELINE BW LAT LO . AZ.) WATER TEIGHT AND PE	STATISTICAL IN DECREES: IN END= 44. DEPTH = 10 RIOD BY DIRE	SUMMARY 0 - 14.9 70N/124.08W 00 METERS CTION	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8,1- 9,6- 9.5 10.5			18.2- 22.3- 22.2 LONGER	TOTAL
99999999999999999999999999999999999999						00000000000
TOTAL MEAN HS(M) = 0.	0 0 LARGEST HS	0 0 5(M) = 0.	0 0 MEAN TP(SEC	0 0 3) = 0. Ni	0 0 JMBER OF CASES =	: 0
PHASE MAYE LATE SHORE PERCEN HEIGHT(METERS)			AVE UIRECTION TO SHORELINE LAT LATE AZ LATE HEIGHT AND PE PERIODI SECON 10.67 13.3 : :	STATISTICA IN DEGREES: IN END= 44. DEPTH = 10 RICO BY DIRE	SUMMARY 15.0 - 44.9 00/12/08W 00/16/08W CTION 18.2-22.3- 22.2 LONGER : :	TOTAL
- 0.49 0.50 - 1.99 1.9			: : : : : : : : : : : : : : : : : : :		: : : : : : : : 0 0	60240 6023100000 60231000000 765
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8,1- 9,6- 9,5 10,5	AVE DIRECTION TO SHORELINE THE SHORE IN THE HEIGHT AND FE PERIOD (SECON 11.7 13.3		SUMMARY 74.9 45.0 - 74.9 70N/124.38W 0.0 METERS 0.0 MET	TOTAL 2011 3454 31154
- 0 .499 - 0 .499 - 0 .499 - 1 .499 - 1 .499 - 2 .499 - 2 .499 - 2 .499 - 3 .499 - 4 .500 - 4 .499 - 5 .500 - 7 .707 - 7 .7	: 1/10 : : : 1710 3661	325 1507 239 208 208 35 157 208 35 11 30 11 548 3041 548 5(M) = 4.07	18 : 20 : : : 100 19 MEAN TP(SEC	i ö		98 51 50 0
			AVE DIRECTION TO SHORELINE DAY LATION REIGHT AND PRO-			TOTAL
HEICHT (METERS)	4,4- 6,0 39 431 45 458 15 177 - 47 - 3	8 -1 - 9 -6 -5 10 - 15 - 9 10	PERTODIC SECON 10.6 - 11.3 - 70.5 10.0 - 7	15.8.15.18.6.18.6	18.2- 22.3- 22.2 LONGER 34 . 58 . 11 . 5 .	TOTAL 1129-562-69-69-69-69-69-69-69-69-69-69-69-69-69-

PHASE A LAT SHOREL PERCEN	3 ST 35 PPROACH ANG DH. START= 4 INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIV 44.83N/124 180.0 (D E(X1000) O	WAVE DI TO SHO .08W G. AZ.) HEIGHT	RECTION RELINE I LAT. LCH WATER AND PER	STATIST N DEGRE DESTH =	ICAL SUMMES)= 105 44.70N/12 10.00 F	1ARY 10 - 134.9 24.08W 1ETERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8,1- 9, 9.5 10	PERIO 5- 10.6-	D(SECOND 11.8-1	5) 3.4- 15 15.3 1	.4- 18.2- 8.1 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	6 17 30 5683 1 1 3	15 805 119 164 111 142 18 18 18 1716 52	582020490 66653920 1111 8	38255621 115567 15567		· · · · · · · · · · · · · · · · · · ·	: : : : : :	09916440351 3552619817 123554321
MEAN HS(M) = 3.23	LARGEST H	5(M) = 6.9	> MEAN	TP(SEC)	= 10.3	NUMBER	OF CASES =	1830
PMASE A WAVE A LAT LO SHOPEL PERCEN	3 ST 35 PPROÀCH ANG ON. START= 4 INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIV 44.83N/124 180.0 (D E(X1000) O				ICAL SUMP ES)= 135 44.70N/12 10.00 P	1ARY 10 - 164.9 14 08W 1ETERS	
HEIGHT(METERS)	4.4- 6.1. 6.0 8.0	8.1- 9. 9.5 10	PERIO 5- 10.6-	D(SECOND 11.8- 1 13.3	S) 3.4- 15 15.3 1	8.4- 18.2- 8.1 22.2	22.3- LÖNGER	TOTAL
0.499 0.499 0.499 0.499 0.500 0.712233.449 0.5000 0.7233.449 0.5000 0.7233.449 0.7233.449 0.7233.4499	76-10 8.0 1-15-58 11-15-3 	:	3 6	ò	: : : : :			11505300000
MEAN HS(M) = 1.71	LARGEST H	S(M) = 2.7	5 MEAN	TP(SEC)	= 6.4	NUMBER	OF CASES =	22
	3 ST 35 PPROÁCH ANG ON. START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIV 44.83N/124 180.0 (D E(X1000) O						
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8,1- 9	PERIO 5- 10.6- 5- 11.7	D(SECOND 11.8- 1 13.3	S) 3.4- 15 15.3 1	.4- 18.2 8.1 22.3	22.3- LÖNGER	TOTAL
0.50 - 0.49 1.50 - 1.49 1.50 - 1.49 2.50 - 2.49 3.50 - 2.49 3.50 - 3.49 4.50 - 4.99 5.00 + TOTAL MEAN HS(M) = 0.	Ö Ö	: : : : : : :						000000000000000000000000000000000000000
HEMIT HOUTE - V.	EARGEST II	J. 1117 - V.	GEAR	111 3601	- 0.	ייטווטנוג	U. CASES =	U



MIS STATION 35 (44.83N/ 124.08W TO 44.70N/ 124.08W) MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R5555666666666777777 E99999999999999999	68-mining 0860 incomonor	madadementatatamann	Mondinonnoundmentannound	ののののののできませんできないのできないのできるののののののののののののののののののののののののののののののののののの	いっこうとのつのうけいのうこうこう	954578787-153567-69-151-14	54775mm4866545700064	Aminimon and Amini	689-157-898-69859-6-10780	MODO-HOMP-WHILE OF-HOMPHOOP	Nonnanannnnnnnnnananan	7-14-4-14-14-15-16-16-16-16-16-16-16-16-16-16-16-16-16-	N.6607887787787898980895 ECUMONONUCUNANAMINALIMENTO M
MEAN	3.9	3.8	3.3	2.8	2.1	1.7	1.6	1.5	1.8	2.9	3.8	4.2	

LARGEST HS(METERS) BY MONTH AND YEAR

HIS STATION 35 (44.83N/ 124.08W TO 44.70N/ 124.08W)
MONTH

							••					
	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	04-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	การงาน เมื่อสามารถเลาสามารถเลาสามารถเลา	00406167004G700007006	nanarananananananananan	สมาเกรี 60000 ราว คอออกรากา	กระกระการการการกระกระกระกระกระกระกระกระกระกระกระกระกระ	เหมองหน้าอาจากมากรายการเกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะ	やりのかみしのないいいしいいかみないいい	いっちゃーはころいっちゃっちゃっちゃっちゃっちゃっちゃっちゃっちゃっちゃっちゃっちゃっちゃっちゃっ	787-16000MM0667-167-177-17-17-17-17-17-17-17-17-17-17-17-1	gaymino in law oo oo oo	90875078647767766764

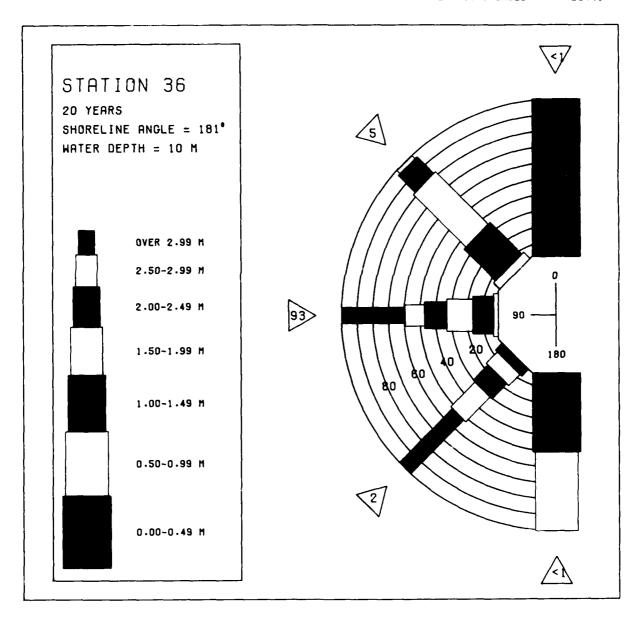
20 YR. STATISTICS FOR PACIFIC STATION 35 (44.83N/ 124.08W TO 44.70N/ 124.08W)

MEAN SIGNIFICANT WAVE HEIGHT	21.0.35333 1912.7.33 141
HAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	14.3 97.6 69121118

HEIGHT(METERS)	APPROACH 36 NI CON STARTS LINE ANGLE 1 NI OCCURRENT 4.4- 6.1			RECTION ST RELINE IN RELINE IN RATER DE AND PERIO D(SECONDS) 113.8-13. 13.3-15			14.9 PS 3- ONGER	TOTAL
99999999999999999999999999999999999999				: : : :	: : : : : : : :	: : : :	:	0000000000
MEAN HS(M) = 0.	• •	HS(M) = 0.		TP(SEC) =	-	MBER OF	CASES =	0
PHASE WAVE LAT. SHORE PERCE HEIGHT(METERS)	3 ST. 36 APPROACH AN LON. START= LINE ANGLE NT OCCURREN	GLE(RELATI 44.70N/12 44.70N/12 54.70N/12 54.7000)				SUMMARY 15.0 - 8N/124.0 00 METE CTION	(. 44.9 184 185	TOTAL
	4.4- 6.1 6.3 8.1	8,1 <u>-</u> 9	0.5 11.7)(SECONDS) 11.8-13. 13.3 15	4- 15.4- .3 18.1	18.2- 22 22.2 L	ONGER	3
99999999999999999999999999999999999999	41 537 429 142 25 1	:						11015100V00 4472 55
4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	: : 1010 171	: ò	: : 0 0	: ò	: : å å	: ò	: 6	000
MEAN HS(M) = 1.50	LARGEST	=	•	TP(SEC) =	•	MBER OF	CASES =	692
PHASE WAVE LATORE PERCE	3 ST. 36 APPROÀCH ANG LON. START= LINE ANGLE: NT OCCURREN	SLE(RELATI 44.70N/12 = 181.0 CE(X1000)	AR WAVE DI VE TO SHO 4.08W DEG AZ) OF HEIGHT	RECTION ST RELINE IN LAT. LON. WATER DE AND PERIO	ATISTICAL DEGREES)= ERO= 44.9 PTH = 10. D BY 01PE	SUMMARY 45 0 - 60/124 0 60 METE CTION	74.9 88 85	
HEIGHT(METERS)			PERTO					TOTAL
HEIGHT(METERS)				(SECONDS) 11.3-13.			74.9 RS ONGER	
HEIGHT(METERS)	4.4- 6.1 6.0 8.		PERIOR 10.5-11.7 11.89 23.07 13.17	(SECONDS) 113.3 15	4- 15.4- .3 18.1			TOTAL 79416989809817225000
HEIGHT (METERS) 0 0.49 0.50 - 0.49 1.500 - 12.949 2.500 - 2.99 3.500 - 3.49 4.500 - 4.49 5.00 + 4.99 5.00 + 4.99 FOTAL MEAN HS(M) = 1.59 PHASE HAVE SHORE	4.4- 6.1 1.36 359 1.36 1095 1.22 1066 1.27	8.1-5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.	06- PERTOI 06- 11.7 18 23 18 23 17 13 20 5 17 13 20 5 18 56 08 MEAN REMAYE SHO 18 15 15 15 15 15 15 15 15 15 15 15 15 15	SECONDS) 13.3 15 17 17 18 TP(SEC) = RECTION ST RELINE ON	15.4- 16.1 1 0 7.3 NU ATISTICAL= DEND= 44.5 DEND= 18 2 22 22.2 1 	ONGER ON	796389804500 796389172 33102 4861	
HEIGHT (METERS) 0 0.49 0.50 - 0.49 1.500 - 1.29 2.500 - 2.49 2.500 - 3.49 3.500 - 3.49 4.50 - 4.99 5.00 + TOTAL MEAN HS(M) = 1.59 PHASE WAVE SHORE PERCE HEIGHT (METERS)	4.4- 6.1 1.36 359 1.36 1095 1.22 1066 1.56 177 27 27 1836 3568 LARGEST 1 APPPOACH AN- LARGEST 1 APPPOACH AN- LARGEST 1 APPPOACH AN- LARGEST 1 APPPOACH AN- LARGEST 1	8 1 - 5 1 1 - 5 1 1 - 7 1 5 1 - 7 1 1 5 2 - 7 1 1	PER TOI 18 1 18 2 18	18 TP(SEC) = RECTION ST RELINE IN LAT LOS AND PERIO (SECONDS) 133-7-15	15.4-1 1	18 2 22 22.2 1 	ONGER CASES =	7941 30369 12180 2450 00 4861
HEIGHT (METERS) 0 0.49 0.50 - 0.49 1.500 - 12.949 2.500 - 2.99 3.500 - 3.49 4.500 - 4.49 5.00 + 4.99 5.00 + 4.99 FOTAL MEAN HS(M) = 1.59 PHASE HAVE SHORE	4- 6.1 6- 0 8.5 136 1055 1122 1066 156 171 27 27 1836 3568 LARGEST 1 APPROACH ANILONI, STARTE LONI, STARTE LONI, STARTE LONI, STARTE LONI, STARTE LONI, STARTE	8 1 - 5 1 1 - 5 1 1 - 7 1 5 1 - 7 1 1 5 2 - 7 1 1	PER 101 18 1 18 2 18 2 17 1 17 1 18 2 17 1 18 2 18 2 18 2 18 2 18 3 18	13.3 15 13.3 15 17 18 TP(SEC) =	15.4-1 1	18.2~ 22 22.2 L 	ONGER CASES =	796389804500 796389172 33102 4861

PHASE WAYE AL LATE SHOPEL PERCEN	3 ST. 36 PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIVI 44.70N/124 181.0 (DI E(X1000) OI	WAVE DIE TO SHO OBW G. AZ.) HEIGHT	RECTION RELINE I LAT. LON WATER AND PER	STATISTIC N DEGREE END= 4 DEPTH = IOD BY D	CAL SUMMA 5)= 105.0 4.58N/124 10.00 ME IRECTION	RY - 134.9 18W TERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- ?.6 9.5 1¢		11.8-1 13.3			22.3- LONGER	TOTAL
- 0.49 0.999 1.050 - 1.2.499 1.050 - 2.3.499 1.050 - 3.499 1.050 - 4.99 1.050 - 4.90 1.050 -	6 27 325 63 5 683 11 13 	15 105 105 125 155 157 18 18 18 18 18 18 18 18 18 18 18 18 18	176641522 176652932 183333	182075801 4945500 11500				4684631717 123555321
MEAN HS(M) = 3.21	LARGEST H	S(M) = 6.9		TP(SEC)		NUMBER O	F CASES =	1893
PHASE WAVE ALLAT LISHOREL PERCEN	3 ST. 36 PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIVI 44.70N/124 1810 (DI E(X1000) O				CAL SUMMA 6)= 135.0 4.58N/124 10.00 ME IRECTION	RY - 164.9 08W TERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6 9.5 10	PERIO 5- 10.6- 5- 11.7	D(SECOND 11.8-1 13.3	S) 3.4- 15.6 15.3 18	4- 18.2- 1 22.2	22.3- LONGER	TOTAL
- 0 1 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	16 10 8 10 13 13 15 13 17			ò				1169030000
MEAN HS(M) = 1.61	LARGEST H	S(M) = 2.7	2 MEAN	TP(SEC)	= 6.3	NUMBER O	F CASES ≃	20
PHASE Waye A Lat. Storel Percen	3 ST. 36 PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIV 44.70N/124 181.0 (DI E(X1000) O	WAVE DI TO SHO 08W G. AZ. } HEIGHT	RECTION RELINE I LAT. LON WATER AND PER	STATISTIC N DEGREE PND= 40 DEPTH = 1 IOD BY D	CAL SUMMA 5)= 165.0 4.58N/124 10.00 ME IRECTION	RY - 180.0 - 08W TERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8 1- 9 0 9.5 10	PERIO - 10 6- 5 11.7	0(SECOND 11.8-1 13.3	5) 3.4- 15.4 15.3 18	18.2- 1 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999								0000000000
MEAN HS(M) = 0.	LARGEST H	3(f1) = V.	MEAN	TP(SEC)	= 0.	מטחטבא ט	F CASES =	U

PHASE LAT SHOREL PERCEN	3 ST ON. ST INE AN IT OCCU	36 ART= 4 GLE = RRENCE	20 4.70H 181.0 (X100	YEAR 124.0 (DEG) OF H	STATIS BW ÉIGHÍ	TICAL LI LAT LI MATEI AND PEI	SUMMAR) ON. ENE R DEPTH RIOD FO	FOR A = 44.5 = 10. R ALL	LL DIR 8N/124 00 ME DIRECT	ECTIONS 08W TERS IONS	
HEIGHT(METERS)	4,45	6;1 <u>-</u>	8;1°5	9.6- 10.5	PERIOR 10.6- 11.7	D (SECOI	NDS)	15.4- 18.1			TOTAL
0.50 - 1.949 1.50 - 1.949 2.50 - 2.99	111 163 7	213 175 111 35	137 599 467 133	37 313 486 360 122	10 124 334 477	33 163 276	4 19 151	i ?	3 :	:	302 1402 1812 1420
3.500 - 3.49 3.500 - 4.49 4.500 - 4.99 5.500 +		8	31 22 7	156	246 131 23	5558 3564 374	1885 285 265 265	17 15 28 31	:	:	1097 932 6648 668
TOTAL MEAN HS(M) = 2.76	303 Larg		1441 6(M) =	1415 7.27	1839 MEAN	2411 TP(SE(262 454 1671 C)= 11.	250 2 TOT	4 AL CAS	Ö ES ≃	58440



WIS STATION 36 (44.70N/ 124.08H) TO 44.58N/ 124.08H) MONTH

	MAL	FEB	MAR	APR	MAY	MUL	JUL	AUG	SEP	OCT	NOV	DEC	
Y1+4+1+4+1+4+1+4+1+1+1+1+1+1+1+1+1+1+1+1	halistatantantantantantan	MOMBRAMAMMANA 44MM4MM	กลาดานการแกรมการแกรมการแกรมการแกรมการแกรมการแกรมการแกรมการแกรมการแกรมการแกรมการแกรมการแกรมการแกรมการแกรมการแกร	9868884ฑา 9 - 4 คมา ระทาง	מטטטטטטיויייייטיייייטיייטייטטטטטט	95457870715567691214	54775334866545730264	47555270726344665063	68916780860050610380	1000010mmmnnnnnnnnnnnnnnnnnnnnnnnnnnnnn	29520628840788797888	734447744744475437545	N66078877877560980205 EARLYNAUGARAGARAGARAGARAGA M
MEAN	7 9	3 A	3 3	2 B	2 1	17	1 6	1.5	1 8	2 0	7 A	4 2	

LARGEST HS(METERS) BY MONTH AND YEAR

HIS STATION 36 (44.70N/ 124.08W TO 44.58N/ 124.08W)
MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC
Y1111111111111111111111111111111111111	94999999999999999999999999999999999999	กลงจองคงหมหมจองคงจองค	00406-107-204-007-00-00-00-00-00-00-00-00-00-00-00-00	6465444744447664646464646464646464646464	915-11-11-11-11-11-11-11-11-11-11-11-11-1	ายารายายยาการกระบายยายยายยายยายยายยายยายยายยายยายยายยายย	เหางกระจากกระ	M968M410410940074940	569-15-101505-67-009-09-6017-1-1015-00-1015-00-1015-00-1015-00-1015-00-1015-00-1015-00-1015-00-1015-00-1015-0	798161055065750575057505	8845649551000000000004	9083503874343419251

20 YR. STATISTICS FOR PACIFIC STATION 36 (44.70N/ 124.08W TO 44.58N/ 124.08W)

MEAN SIGNIFICANT WAVE HEIGHT	21.0.35 90.35 12.7.35 198.
AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	69121118

PHASE WAYE LAT SHOPE PERCE	3 ST 37 APPROACH ANG LON: START= LINE ANGLE = NT OCCURRENCE	20 YEAR LE(RELATIVE 44.58N/124. 184.0 (DE E(X1000) OF	HAVE DIRECT TO SHOREL DBW LAT G AZ.) W HEIGHT AN	TION STATI INE IN DEC LON END ATER DEPTH D PERIOD E	STICAL SUMM/ REES)= 0. P= 44.46N/124 H = 10.00 MI BY DIRECTION	ARY - 14.9 - 08W ETERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0			ECONDS 1		22.3- LONGER	TOTAL
99999999999999999999999999999999999999	6. U 8. U	9.5 10.	, 11:7 1		18:1 22:2 : : : : : : : : : : : : : : : : :		0000000000
MEAN HS(M) = 0.	LARGEST H	S(M) = 0.	MEAN TP	(SEC) = 0	. NUMBER	OF CASES =	0
PHAYE REE LAHOR PER SE LAHOR PE	3 ST . 37 APPROACH ANG LON: START= LINE ANGLE S NT OCCURRENC 4.4-6.1-6:0 8.0 35-414 1.364 87 1.364 87			TION STATI INE IN DEC LEN END OPER DEPTH ECONDS) 88-13.4- 3.3 15.3		ARY 0 - 44.9 4 08W ETERS 2233- LONGER :	TOTAL 155190000000000000000000000000000000000
3.00 - 3.49 3.50 - 3.99 4.50 - 4.99							čoo
	815 106	å å	Ö MEAN TP	o o	Ö Ö	Ö DF CASES =	Ŏ 541
MEAN HS(M) = 1.49 PHASE HAVE LAT. SHORE	3 ST. 37 APPROACH ANG LON. STARTE LINE ANGLE = NT OCCURRENC	20 YEAR 20 YEAR 20 YEAR 26 RELATIVE 4184.0 (DE 2184.0 (DE 2184.0 (DE					312
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6	PERIOD(S	ECONDS) 3- 13.4- 3.3 15.3	15.4- 18.2- 18.1 22.2	22.3- LONGER	TOTAL
9:19:39:99:99	4.4- 6.1- 6.0 8.0 135 25.8 1597 917 1287 913 . 189 	1505 1505 1505 1505 1505 1505 1505 1505	10 8	i i i i i i i i i i i i i i i i i i i			505147788000 5150414 2211
MEAN H5(M) = 1.63	LARGEST H	IS(M) = 3.85	MEAN TP	(SEC) = 6	.8 NUMBER	DF CASES =	3841
	3 ST. 37 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENCE	20 YEAR LE(RELATIVE 44.59N/124. 184.0 (DE E(X1000) CF	HAVE DIRECTOR SHORE LATER AZ HEIGHT AND	TION STATI INE IN DEC LON END ATER DEPTH D PERIOD E	(STICAL SUMM, SREES) = 75. P= 44.46N/124 H = 10.00 M BY DIRECTION	ARY 0 - 104.9 4.08W ETERS	
HEIGHT(METERS)	4.4. 6.1. 6.0 8.0	8,1- 9,6 9,5 10.	PERIOD(5 - 10.6- 11 5 11.7 1	ECONDS) 3,3 15.3	15.4- 18.2- 18.1 22.2	22.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 0.99	46 521	1175 340	99 1214 3	65 41 21 78	. 34 13 1	:	2321 11058 14768
0.50 - 1.2399 0.500 - 1.2399 0.500 - 1.2399 0.500 - 1.2399 0.500 - 1.2399 0.500 - 1.3499 0.500 - 4.500 0.500 - 4.500 0	4.4- 6.1- 6.0 8.5 6.1 1515 6.1 1517 7 27 	89.1-9.6. 175-29.65-29.77.1 175-29.65-37.71.1 175-37.78.1 175-37.78.1 175-37.78.1 175-37.1 17	292 4572 2271 23037 231376 231576 231576 231576 231576 231576 231576 231576 231576 231576 231	91 191 191 191 191 191 191 191	15.4- 18.2- 18.1 22.2 . 34 13 3 78 10 1644 5 1644 5 125218 76	: : : : 0	161888815151585 3356177751585 21147210884253

PHASE A WAYE A LAT LO SHORE N PERCENT	S ST 37 PROACH ANGI THE START = 2 THE ANGLE = TOCCURRENCE	20 YEAR E(RELATIVE 4.56N/124. 184.0 (DE E(X1000) OF				CAL SUMMA S)= 105.0 4.46N/124 10.00 ME IRECTION	RY - 134.9 1084 TERS	
HEIGHT(METERS)	4.4- 6.1-	8.1- 9.6 9.5 10.	PERIOD - 10,6-	(SECOND 11.8-1 13.3	5 } 3.4- 15 15.3 18	4- 18.2- 0.1 22.2	22.3- LONGER	TOTAL
0 0 499 0 0 499 0 0 499 0 0 1 499 0 0 1 1 2 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	6 30 83 35 82 70 . 83 . 13 	18 105 105 105 105 105 105 105 105 105 105	1070125247 1070125247 117013931	· · · · · · · · · · · · · · · · · · ·	11499 14391 175	· · · · · · · · · · · · · · · · · · ·		04001023017 5057014718 134565321
MEAN HS(M) = 3.13	LARGEST HS	S(M) = 6.81	MEAN	IP(SEC)	= 10.4	NUMBER O	F CASES =	2106
PHASE I WAYE AR LAT L SHOREL PERCENT	S ST PROACH ANGI PROACH ANGI IN STAPT = 1 INE ANGLE = 1 OCCURPENCE	20 YEAR LE(RELATIVE 44.58N/124. 184.0 (DE				CAL SUMMA 5)= 135.0 4.46N/124 10.00 ME IRECTION	RY - 164.9 .08W TERS	
HEIGHT(METERS)	4,4- 6,1-	8.1. 9.6 9.5 10.	PERIOD - 10.6-	(SECOND 11.8- 1 13.3	5) 3,4- 15,	4- 18.2- 1.1 22.2	22.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 0.49 1.50 - 1.49 1.50 - 2.49 2.50 - 2.49 3.50 - 3.49 3.50 - 3.49 3.50 - 4.49 4.50 - 4.99 5.00 + 4.99 5.00 + 4.99 5.00 + 4.99 5.00 + 4.99	464-0 681-0 1 18 5 18 	9.5 10. i : : : : : : : : : : : : : : : : : : :	i : : : : : : : : : : : : : : : : : : :	13.3	15.3 16			2 3 3 0 0 0 0 0
MEAN HS(M) = 1.61	LARGEST HS	S(M) = 2.63	MEAN	TP(SEC)	= 6.4	NUMBER O	F CASES =	24
PHASE AF WAYE AF LATEL SHORE PERCEN	ST 37 PPROACH ANGI PROACH ANGI PROACH ANGIE = INE ANGIE = T OCCURPENCI	20 YEAR E(RELATIVE 4.58N/124. 184.0 (DE (X1000) OF					RY - 180.0 08W TERS	
HEIGHT(METERS)	46.0 6.0	8.1- 9.6 9.5 10.	PERIOD 5 10,67	(SECOND	S) 3.4- 15.	4- 18.2- 0.1 22.2	22.3- LONGER	TOTAL
0.50 - 0.49 1.50 - 1.49 1.500 - 12.49 2.500 - 22.49 3.500 - 3.49 3.500 - 3.49 4.500 - 4.99 5.00 + TOTAL MEAN HS(M) = 0.	Ö Ö			0 TP(SEC)	: : : : : : : : :	· · · · · · · · · · · · · · · · · · ·	: : : : : : : :	00000000000
HEAN MOUNT - U.	LARGES! H)(11) ~ U.	FIEAN	171366)	= 0.	HUNDER U	r (M3E3 =	0

PHASE 3 ST 37 20 YEAR STATISTICAL SUMMARY FOR ALL DIRECTIONS LAT. LON. START = 44.58N/124.08W LAT. LON. END = 44.46N/124.08W SHORELINE ANGLE = 184.0 (DEG AZ.) WATER DEPTH = 10.00 METERS PERCENT OCCURRENCE(X100) OF HEIGHT AND PERICO FOR ALL DIRECTIONS

HEIGHT(METER')

4.4-6.1-8.1-9.6-10.6-113.3 15.3 16.1 22.2 20.3
0.50-0.499 22 81 135 35 10.5 11.7 13.3 15.3 16.1 22.2 LONGER

0.50-0.499 122 81 135 35 19 6 4 13 18.1 22.2 20.3
1.00-1.499 108 212 590 305 122 32 7 1 1 13579

1.00-1.499 174 169 467 485 331 159 19 4 1 13579

1.00-2.499 174 169 467 485 331 159 19 4 1 13579

1.00-2.499 174 169 467 485 331 159 19 4 1 12444

2.50-2.999 .37 43 123 448 229 119 6 1 1 1206

3.50-3.499 .37 43 123 129 465 282 16 1 1206

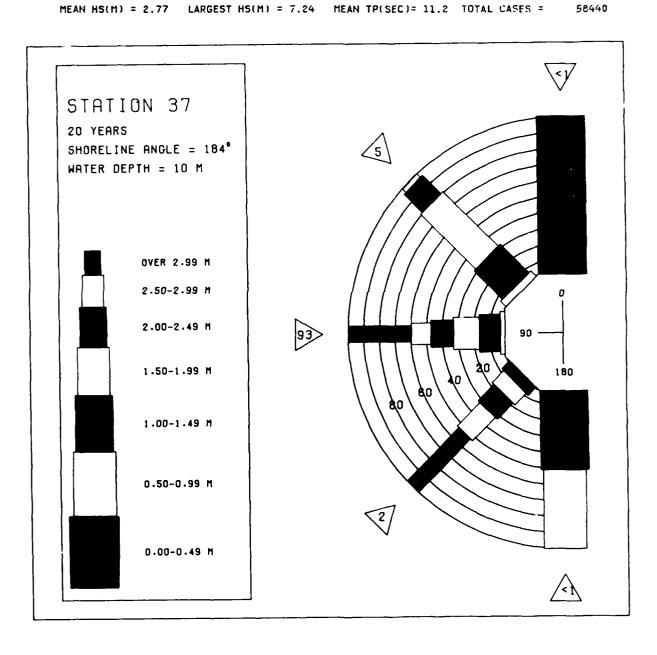
3.50-3.499 .29 55 250 554 187 16 1 1206

4.50-4.99 .29 55 250 554 187 16 1 1206

4.50-4.99 .31 24 430 1287 27 . 657

4.50-4.99 .31 26 448 243 167 25 5 6

TEAN HS(M) = 2.77 LARGEST HS(M) = 7.24 MEAN TP(SEC) = 11.2 TOTAL CASES = 58440



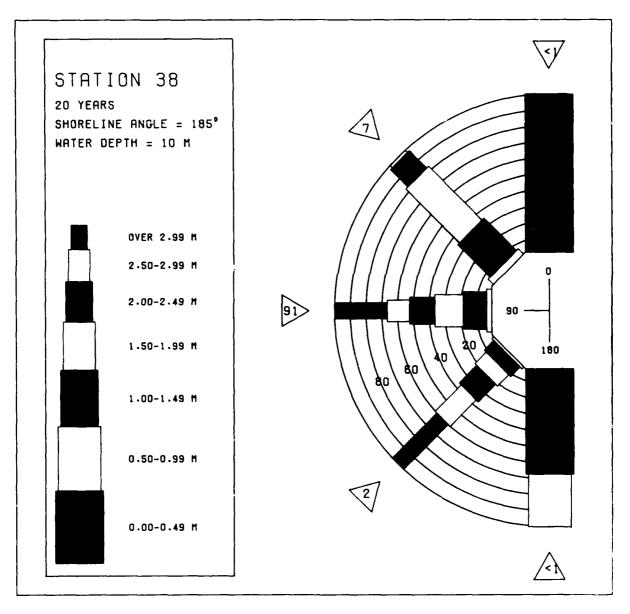
HIS STATION 37 (44.58N/ 124.08H TO 44.46N/ 124.08H)

						MONT	H						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y11978 E555890123456789012345 999966666789012345	5845755488695025252567	70702477477777006507494	ศอการขาวสายการสายการขาวสายการขาวสายการขาวสายการขาวสายการขาวสายการขาวสายการขาวสายการขาวสายการขาวสายการขาวสายการ	9868884779215715721724 กระทบรายานกระบานการกระทบ	かられることできることできることできることできることできることできることできることでき	954578708-5556769-1214	54775545866556758264	43555270826344666063	6891678886868950718482	10000100000000000000000000000000000000	09520628849778797848	73422722950964378046	N660888778775609882055
MEAN	3.9	3.8	3.3	2.8	2.1	1.7	1.6	1.5	1.8	2.9	3.8	4.2	
			TATIO	N 37	(44	METER .58N/ MONT	124. H	08W T	0 44.	46N/	124.0		
VEAR	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	546666555666554666665	60424422048404006657	004061672341222007264	04004447744446000040404	15454689094778185447	1917-01-687-1090-4-0-68-0-0	ระบาราชายายายายายายายายายายายายายายายายายาย	M9684410412940174948	มหาการแกรมการสารแกรมการสารแกรมการสารแกรมการแกรมการสารแกรมการสารแกรมการสารแกรมการสารแกรมการสารแกรมการสารแกรมการ	79816102306676837348	8047649571-921-9282665 4666666666646666666666	9083501874312112925 56666666666767766766	
20 YR.		ISTIC		PACI	FIC S	TATIO	N 37	(44.5	8N/ 1		W TO		
MEAN SP MEAN SP MEAN SP MEAN ST MEAN ST MAYER MA	IGNIF EAK WE REQUE PODE MASSR POLAR POLAR FERENCE FERE	ICANT AVE 9 NT 30 VIATI VIATI ECTIO GEST	WAVE ERIOD ON OF ON OF ED WI N ASS HS OC	HEIG GRÉE WAVE WAVE TH'LA OCIAT CURRE	HT (ČEŇT HS TP TP RĞEST ED WI NCE I	ĖR) D . WĀVĒ TH LĀ S (YR	IŘEČT HS RGEST ,MO,D	ion B	AND` :::		METER SECONE MECGREN MECTEN SECTEN SECORE DEGRE	S) DS) ES) S) S) S) S) S) S) S) S) S) S) S) S) S	2.8 11.20 90.3 2.52 74.3 84.5 63102406

PHASE WAVE LAT. SHORE PERCE	3 ST. 38 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC	20 YEAR W LE(RELATIVE 44.46N/124.0 185.0 (DEG E(X1000) OF	AVE DIRECTION TO SHORELINE EN LAT. HAZ.) HATE	N STATISTIC IN DEGREE ON END = 4 R DEPTH = PERIOD BY D	AL SUMMAR 5)= 0 4.35N/124 10.00 MET	14.9 10W ERS	
HEIGHT(METERS)	4.4- 6.1-	8.1- 9.6- 9.5 10.5	PERTOR: SECO			2.3- LONGER	TOTAL
99999999999999999999999999999999999999	6.0 8.0 	9.5 10.5	11.7 13.3	5 15.3 18 : : :	1 22.2 1	LONGER	00000000000
MEAN HS(M) = r.	LARGEST H	S(M) = 0.	MEAN TP(SE	(C) = 0.	NUMBER OF	CASES =	0
PHASE WAYE LATE SHORE PERCE HEIGHT(METERS)	3 ST ACH ANG APPROACH ANG LON. START= LINE ANGLE LINE OCCURRENC	LE(RELATIVE 44.45N/124.0 185.0 (DEG E(X1000) OF				144.9 10W ERS	TOTAL
	4.4- 6.1.0	8.1- 9.6- 9.5 10.5	PERIOD(SECO 10.6- 11.8- 11.7 13.3	15.3 18	1 22.2	2 3- LONGER	10171
0.5000	4.4- 6.1 (1) 6						7976000000 6816 8816
MEAN HS(M) = 1.50		S(M) = 2.49	MEAN TPOSE	_	NUMBER OF	CASES =	969
PHASE WAVE LAT SHORE PERCE	3 ST. 38 APPROACH ANG LON START = LINE ANGLE = NT OCCURRENC	20 YEAR W LE(RELATIVE 44.46N/124.0 185.0 (DEG E(X1000) OF	AVE DIRECTION TO SHORELINE BW LAT. HEIGHT AND F	DH STATISTI IN DEGREE ON. END = 4 R DEPTH = ERIOD BY D	CAL SUMMAR 5)= 45.0 4.35N/124 10.00 ME1 IRECTION	74.9 10W ERS	
PHASE WAVE LAT SHORE SHORE PERCE HEIGHT(METERS)				ו פחאו			TOTAL
	3 ST : 38 APPROACH ANG LON: START = LINE ANGLER = N LINE ANGLE = N 4.4-0 6:1-0 6:3 116 154 11827 73 10670 		PERIOD(SECO	ONDS) 13.4- 15.4 15.3 18 1		22 3- LONGER :	TOTAL 65007676731000
HEIGHT(METERS)	4.4- 6.1- 6.30 8.1 1584 311 1368 1427 7.3 1067 2900 	8.1- 9.6-5 9.5 10.5 200 16 7.554 147 111 20 47 17 41 10	FERIOD(SECO 10.6-11.8- 11.7 13.3 51 5 8 .	ONDS) 13.4- 15.6 15.3 18 1 	18.2- 2	2 3- LONGER : : : : : : : :	650 70071 69077 122 3100
HEIGHT(METERS) 0 0.49 0.50 - 0.49 1.500 - 1.29 2.500 - 2.49 3.500 - 3.49 3.500 - 3.49 4.500 - 4.49 5.00 + 4.69 TOTAL MEAN HS(M) = 1.62	4.4- 6.1- 6.30 8.1 1584 311 1368 1427 7.3 1067 2900 	8 1 - 9 0 6 5 200 1 6 7 200 1 79 2 254 27 17 47 17 47 17 20 10	FERIODISECTION 11:7 13:3 51 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	15.3 18 15.3 18 1 18	18 2- 2 1 22.2 1 22.2 1 1 22.2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LONGER	65041771 70077673 69122 23122
HEIGHT(METERS) 0 0.49 0.50 - 0.49 1.500 - 1.49 2.500 - 2.49 3.500 - 3.99 3.500 - 3.99 4.500 - 4.99 5.00 + 4.99 5.00 + 4.99 FOTAL MEAN HS(M) = 1.62 PHASE WAVE SHOPE PERCE HEIGHT(METERS)	4.4- 6.1- 6.3- 3.1- 1.5-4 3.1- 1.5-6 1.42-7 1.3-6 1.42-7 1.3-7 1.42	8 9 1 5 1 6 5 2 9 0 6 5 2 9 1 7 9 2 1 7 9 2 1 1 7 2 1 0 1 0 1 4 6 6 2 8 0 S(M) = 3.87 LE(RECALVILLE OF LATIVE O	FERIODISECTION 11:7 13:3 51 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	15.3 18 15.3 18 1 18	18 2- 2 1 22.2 	LONGER CONGER 65041771 70077673 69122 23122	
HEIGHT(METERS) 0 0.49 0.500 - 0.49 12.500 - 12.99 12.500 - 2.99 13.500 - 2.99 14.500 - 4.99 15.00 + 4.99 15.00 + 4.99 16.00 + 4.99 17.00 + 4.99 18.00 + 4.99 19.00 + 4.00 + 4.00 19.00 + 4.00 + 4.00 19.00 + 4.00	4.6 34 114277 131877 131877 131877 131877 131877 131877 131877 131877 131877 13187 1	8 9 1 5 1 6 5 2 9 0 6 5 2 9 1 7 9 2 1 7 9 2 1 1 7 2 1 0 1 0 1 4 6 6 2 8 0 S(M) = 3.87 LE(RECALVILLE OF LATIVE O	FER IOD (SE 8-1) 11.7 13.3 5.1 11 5.1 8.3 11 6.4 MEAN TP(SE 11.1	15.3 18 15.3 18 1 18	18.2-2 1 22.2 1 22.2 1 22.2 NUMBER OF 135N/124 135N/124 135N/124 135N/124 135N/124 135N/124 135N/124 132.2 132.2	LONGER CASES = CASES = CASES = CONGER CONGER	65041711000 5 7007673 7 691822 8 8 T 89152517783 8 T 8070450703 2511 4 T 2167425670433

PHASE WAVE A LAT SHOREL PERCEN	3 ST 38 PPROACH ANGLON. START= 4 INE ANGLE = T OCCURRENCE	20 YEAR E(RELATIVE 4.45N/124.0 185.0 (DEG	AVE DIRECTI TO SHORELIN 18W LAT 1. AZ.) WAT HEIGHT AND	ON STATISTICE IN DEGREE: LON. END= 4: ER DEPTH = PERIOD BY D	CAL SUMMARY 5)= 105.0 - 4.35N/124.1 10.00 METE TRECTION	134.9 LOW ERS
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 5.6- 9.5 10.5	PERIOD(SEC 10.6-11.8 11.7 13.	ONDS) - 13.4- 15.6 3 15.3 18	4- 18.2- 22 1 22.2 L	TOTAL ONGER
- 0.49 0.949 1.949 1.500 - 1.499 1.500 - 2.3499 1.500 - 4.99 1.500 - 4.90 1.500	11 80 12 89 2 90 2 96 2 90 2 90 2 90 2 90 3 90 3 90 3 90 3 90 3 90 3 90 3 90 3	29 116 148 169 143 169 128 30 153 1723 708	5765 1765 1266 1775 1 1 3 6 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	:		99953451409 42172526382 23683742
MEAN HS(M) = 2.84	_	5(M) = 5.73		EC) = 10.4		CASES = 2135
PHASE A WAVE A LATOLE SHOREN	3 ST. 38 PPROACH ANGL ON. STAPTE 4 INE ANGLE = T OCCURRENCE	20 YEAR E(RELATIVE 4.46N/124.0 165.0 (DEG	AVE DIRECTI TO SHORELIN SH AZ) HAT HEIGHT AND	ON STATISTI E IN DEGREE LON END = 4 ER DEPTH = PERIOD BY D	CAL SUMMARY 5)= 135.0 - 4.350/124.1 10.00 METE IRECTION	. 164.9 . OH RS
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6- 9.5 10.5	PERICD(SEC 10.6- 11.8 11.7 13.	ONDS) - 13.4- 15.3 3 15.3 18	4- 18.2- 72 1 22.2 l	TOTAL LONGER
99999999999999999999999999999999999999	18 135 18 177 	i : : : : : : : : : : : : : : : : : : :				1443 223000000
MEAN HS(M) = 1.28	LARGEST HS	S(M) = 2.12	MEAN TP(S	EC) = 6.6	NUMBER OF	CASES = 55
PHASE WAYE A LAT L SHOREL PERCEN	3 ST. 38 PPROACH ANGLON. START = 4 INE ANGLE = 4 TOCCURRENCE	20 YEAR LA E(RELATIVE 44.45N/124.0 105.0 (X1000) 0.5	AVE DIRECTI TO SHORELIN LAT HEIGHT AND	ON STATISTI E IN DEGREE LON. ENDE 4 ER DEPIH = PERICO BY D	CAL SUMMARY 5)= 165.0 1 4.35N/124.1 10.00 METE LPECTION	, - 180.0 - 04 - 05
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8.1- 9.6- 9.5 10.5	PERIOD(SEC 10.6-11.8 11.7 13.	ONDS) - 13.4- 15.6 3 15.3 18	4- 18.2- 22 1 22.2 1	TOTAL ONGER
99999999999999999999999999999999999999	: : : : : : : : : : . : . :					
MEAN HS(M) = 0.	LARGEST HS)(m) = U.	MEAN TP(S	EC) = 0.	NUMBER OF	CASES = 0

PHASE 3 ST. 38 20 YEAR STATISTICAL SUMMARY FOR ALL DIRECTIONS LAT. LON. START = 44.46N/124.08W LAT. LON. END = 44.35N/124.10W SHORELINE ANGLE = 1.65.0 (DEG. AZ.) WATER DEPTH = 10.00 METERS PERCENT OCCURRENCE(X100) OF HEIGHT AND PERIOD FOR ALL DIRECTIONS TERS) PERIOD(SECONDS) 4.4- 6.1- 8.1- 9.6- 10.5 11.7 13.3 15.3 18.1 22.2 22.36.0 8.0 9.5 10.5 11.7 13.3 15.3 18.1 22.2 LONGER



MIS STATION 38 (44.46N/ 124.08W TO 44.35N/ 124.10W)

HTHOM	
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	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y-111790123456789012345 R67890123456789012345 F99999999999999999999	aningsorrates	18757501901503004671 กณาการการการสาราชาวิทยา	การายานาย เกาะสายานายานายานายานายานายานายานายานายานายา	การการการการการการการการการการการการการก	4999926799245-1002000	85446770604545671004	54775345766545639054	4m5664444444444444444444444444444444444	67805778767949509271	งเการ์การสาทายสายสายสายสายสายสายสายสายสายสายสายสายสา	ช.ค.ก-เซเกตาการการการการการการการการการการการการการ	10077456455657056507	Z447M004MM4FFF700897F
MEAN	3.4	3.3	3.0	2.6	2.0	1.6	1.6	1.5	1.7	2.6	3.5	3.7	

LARGEST HS(METERS) BY MONTH AND YEAR

HIS STATION 38 (44.46N/ 124.08W TO 44.35N/ 124.10W)

MONTH

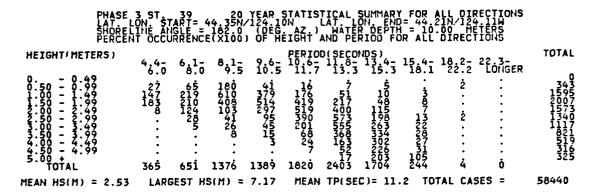
	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC
R67890123456789012345 E955566666667777777777	5-45-47-9-14-1-04-4-1-05-05-55-55-55-55-55-55-55-55-55-55-55-	470-19000140101000001000000000000000000000	สายเกาะสายสายสายเกาะสายเกาะสายเกาะสายเกาะสายเกาะสายเกาะสายเกาะสายเกาะสายเกาะสายเกาะสายเกาะสายเกาะสายเกาะสายเกา	040644466466646464646464646464646464646	<u> </u>	างเองการจากอเกลงกางงานกากงา	4งเอก490-1-กรุงเรองเงอออ	กลางเลงการเลงเกาสอบการเลงเการเลงเลงเลงเลงเลงเลงเลงเลงเลงเลงเลงเลงเลงเ	นาการแก้น และเกลา เกลา เกลา เกลา เกลา เกลา เกลา เกลา	45456466454545555755544	90000000000000000000000000000000000000	994mm77m4m2728704200

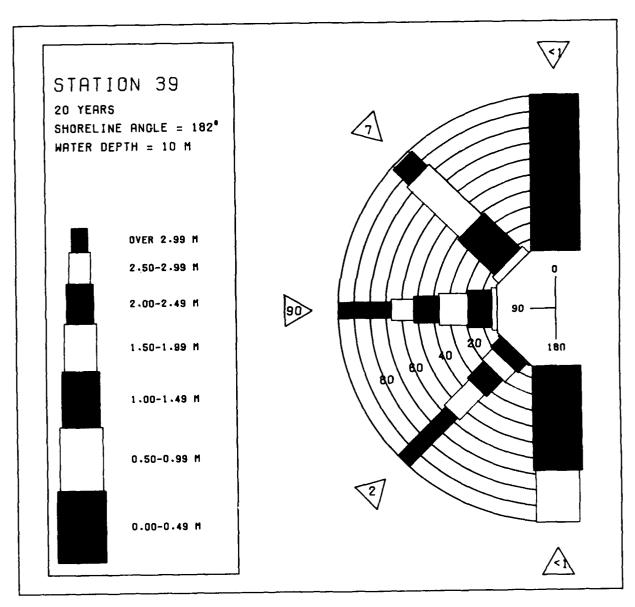
20 YR. STATISTICS FOR PACIFIC STATION 38 (44.46N/ 124.08W TO 44.35N/ 124.10W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	2.5 11.2 90.0
MOST FREQUENT 30.0 DEGRÉE (CENTER) DIRECTION BAND (DEGREES) STANDARD DEVIATION OF WAVE HS (SECONDS) STANDARD DEVIATION OF WAVE TP (SECONDS)	90.0 1.1
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS (METERS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) AVERAGE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	1.1 2.5 7.2 16.7
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	73121400

PHASE WAVE LATORE SHORE PERCE	3 ST 39 APPROACH A LON. START LINE ANGLE NT OCCURRE	NGLE(RELA 144.35N/ 182.0 NCE(X1000	TAR WA TIVE T 124.10 (DEG.	VE DIR TO SHOP W L MEIGHT	ECTION ELINE I AT LON WATER AND PER	STATI N DEG END OEPTH IOD B	STICAL REES)= 44.2 10.	SUMMA 10 10 10 10 10 10 10 10 10 10 10 10 10	ARY 114.9 ETERS	
HEIGHT(METERS)	4.4- 6. 6.0 8								22.3- LONGER	TOTAL
99999999999999999999999999999999999999	6.0 8	.0 9.5	10.5	11.7	13.3	15.3	18.1	ý :	LONGER	00000000000
MEAN HS(M) = 0.	LARGEST	HS(M) =	0.	MEAN	TP(SEC)	= 0	. NU	MBER C	F CASES =	= 0
	3 ST 39 APPROACH A LON. START LINE ANGLE NT OCCURRE	YGLE(RELA = 44.35N/ = 182.00 yce(X1000								
HEIGHT(METERS)	4;4 <u>7</u> 6	1- 8,1-	9.6- 10.5	10.6- 11.7	11.8- 1 13.3	3.4- 15.3	15.4 18.1	18.2- 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	88 821 6 633 39 1 4	· · · · · · · · · · · · · · · · · · ·		•		•			:	8964480000000000000000000000000000000000
TOTAL MEAN HS(M) = 1.50	1544 50 LARGEST	4 0 HS(M) =	0 2.37	Ó Mean	Ö TP(SEC)	5	.6 NU	0 IMBER (0 OF CASES =	= 1200
PHASE WAYE LAT SHERCE PERCE	3 ST 39 APPROACH A LON. START LINE ANGLE NT OCCURRE	MGLE(RELA = 44.35N/ = 182.0 NCE(X1000	(EAR WA (TÎVE Î (124.10 (DEG.	AVE DIR TO SHOP DW L AZ } HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATI N DEG L END DEPTH IOD B	STICAL REES)= = 44.2 = 10. Y DIRE	SUMMA 45.0 10/124 00 ME CTION	ARY 7 - 74.9 1.11W TERS	
PHASE WAYE LAT SHORE SHORE PERCE HEIGHT(METERS)	3 ST 39 APPROACH A LON. START LINE ANGLE HT OCCURRE 4.4- 6.									TOTAL
HEIGHT(METERS)	394 APPRO ACHART LON. SAIGHT NT OCCURRE 46-0 68 140-50 1390 11254 1987 11254 1987 11254 1987 11254 1987	8 9 1522244465 1 1 2 2 2 2 4 4 4 6 5 5 5 2 5 5 5 2 5 5 5 2 5 5 5 2 5 5 5 2 5 5 5 2 5 5 5 2 5 5 5 2 5 5 5 2 5 5 5 2 5 5 5 2 5			ECTION I ELINE IN ELINE IN AND PER AND 113.3 (SECOND 1 13.3					TOTAL 951033 13344480 12150 00
HEIGHT(METERS) 0 0.49 1.50 - 1.49 1.50 - 1.49 2.50 - 2.49 3.00 - 3.49	4.4-6 6 8 1425 137 1125 1408 177 177 177 177 177 177 177 177 177 17	8 9 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	910 188822 128822 128822 128822 188822 188822 188822 188822 188822 188822 188822 188822 188822 188822 188822 188822 188822 188822 188822 188822 18882 18892 18892 18892 18892 18892 18892 18892 18892 18892 18892 18892 18892 18892 18892 18892 18892 1892 18	PERIOD 10.7 00277755 196	(SECOND 11.8-1 13.3 8 6 3	\$14- 15.3 10 	15.6.1 18.1	18.2-2 22.2		9580344 95803446825 1225 1225
HEIGHT (METERS) 0.50 - 0.99 1.500 - 1.29 2.500 - 2.99 2.550 - 2.99 2.550 - 2.99 4.500 - 3.99 4.	4.4- 6.8 137 139 1125 1408 177 2 172 172 172 172 172 172 172 172 1	1-0 38 4912234 4912234 4912234 100244 1002	900 1 100000000000000000000000000000000	PERIOD TO THE PE	(SECONDI 113.86 3	\$3.5.3 1.5.3	15.47- 18:1 0 	18.2- 22.2 	22.3- LONGER 	8880394 999934 13884 138825 00 00
HEIGHT (METERS) 0.50 - 0.49 1.50 - 1.29 1.50 - 1.29 1.50 - 1.39 1	4.4-0 6.8 14.5 13.7 160.5 14.0 15.4 9.8 17.2 192.9 43.7 LARGEST APPROSTART LINE ANGLE NT OCURRE	1-0 38 4912234 4912234 4912234 100244 1002	900 1 100000000000000000000000000000000	PERIOD TO THE PE	(SECONDI 113.86 3	\$3.5.3 1.5.3	15.47- 18:1 0 	18.2- 22.2 	22.3- LONGER 	9580 3930 3493 13664 1280 00 00 = 5981
HEIGHT (METERS) 0.50 - 0.99 1.500 - 1.29 2.500 - 2.99 2.550 - 2.99 2.550 - 2.99 4.500 - 3.99 4.	46 0 379087 114054 176 115 129 111 129	1-5 9 0105552	90 1 100 100 100 100 100 100 100 100 100	PEON A RELEASE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CO.3	931 1 = T GDHB -3 7 160HB -3 7 160HB -3 1419639209	5 TEE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18.2-2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22 3- LONGER 	88803448999900 99999448899990 1322599911 1052797116211 1052797116211 1052797116211

PHASE A WAYE A LATOREL SHOREN PERCEN	S ST. 39 PROACH ANG DN. STARTE (INE ANGLE = I OCCURRENCI	LE(RELATIVE 44.35N/124 182.0 (DE E(X1000) OF	HAVE DIE TO SHOR 10W (G AZ) HEIGHT	RECTION RELINE I AT. LON WATER AND PER	STATIS N DEGRI L END= DEPTH IOD BY	TICAL SU EES) = 10 44.21N/ = 10.00 DIRECTI	MMARY 15.0 - 134.9 124.11W 1ETERS ON)
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6 9.5 10.	FERTO: 5 10.6-	11.8- 13.3	S) 3.4- 1! 15.3	5.4- 18. 18.1 22	2- 22.3- .2 LONGER	TOTAL
99999999999999999999999999999999999999		25 104 124 1749 1749 32 715 1749 32 715 715 715 715 715 715 715	307 143186 143186 1122189 1133	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	970421745648 92277719993 2357753
MEAN HS(M) = 2.92	58 334 LARGEST H			TP(SEC)		_	R OF CASES	= 2109
PHASE MAYE A LAYE A SHORL PERCEN	3 ST. 39 PROÁCH ÁNG DN. START= INE ANGLE = T OCCURRENC	LE(20 YEAR LE(RELATIVE 44.35N/124 44.8200 (05 E(X1000) OF	MAVE DIF TO SHOP 10W AZ) HEIGHT	RECTION RELINE I AT. LON WATER AND PER	STATIS N DEGR L END= DEPIH 100 BY	TICAL SU EES)= 13 44.21N/ = 10.00 DIRECTI	MMARY 15.0 - 164.9 124.11W 1 METERS ON	,
HEIGHT(METERS)	46.45 68.15	8,1- 9,6 9.5 10.	PERIOD - 10.6- 5 11.7	11:8- 1 13:3	S) 3.4- 1: 15.3	5.4- 18. 18.1 22	2- 22.3- .2 LONGER	TOTAL
99999999999999999999999999999999999999	15 15 15 15 15 15 15 15 15 15 15 15 15 1	i :	:	•	•			399640000000
4:00 - 4:49 4:50 - 4:99 5:00 +	; ; 19 50	: : 2 0	: 	: ò	: å	: å	: : • •	0
MEAN HS(M) = 1.36		5(M) = 2.46	MEAN	TP(SEC)	= 6.	6 NUMBE	R OF CASES	= 45
PHASE A WAYE A LAT L SHORE PERCEN	3 ST. 39 PPROACH ANG DN. STARTS INE ANGLE = I OCCURRENC	20 YEAR LE(PELATIVE 44.35N/124 182.0 (DE	HAVE DIE TO SHOP 10H G AZ)	RECTION RELINE I LAT. LON WATER AND PER	STATIS N DEGR L END= OEPTH LOD BY	TICAL SU EES)= 16 44.21N/ = 10.00 DIRECTI	MMAPY 5.0 - 160.0 124.11 161ERS ON	1
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8,1- 9,6 9.5 10.	PERIOR 5 10.6-	11.8- 1 13.3	\$) 3.4- 1 15.3	5.4- 18 18.1 22	2- 22.3- .2 LONGER	TOTAL
99999999999999999999999999999999999999	· · · · · · · · · · · · · · · · · · ·			: : : : : : :			· · · · · · · · · · · · · · · · · · ·	00000000000
MEAN HS(M) = 0.	LARGEST H	5(M) = Q.	MEAN	TP(SEC)	= 0.	NUMBE	R OF CASES	= 0





WIS STATION 39 (44.35N/ 124.10W TO 44.21N/ 124.11W) MONTH

							• •						
	MAL	FEB	MAR	APR	MAY	אטנ	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E6696966666677777 F111111111111111111111111111	のいいのいーサーア・マイ・エケーの 600・ナーボッ	าย7.เกิวเกิดงของสายการการการการการการการการการการการการการก	กากคนนาคนงคนงคนงคนกากการง กากคนงคนงคนงคนงคนกากการง	7.15ペー、ものいいのでのようと、一直のでいるので	490992679924424824251	87446779604741570004	547755455766545659654	4mmmin-17-17-20-04-4-000-00-00-00-00-00-00-00-00-00-00	67805778767949509277	4565970คค846686งเลยกา	ชมการสาราการการการการการการการการการการการการก	MANNAMANAMAAAAAAAAAAAAAAAAAAAAAAAAAAAA	N4471561545151545157575689735 EANAINIANAINIANAINIANAINIANAINI M
MEAN	3.4	3.3	3.0	2.6	2.0	1.6	1.5	1.5	1.7	2.6	3.5	3.7	

LARGEST HS(METERS) BY MONTH AND YEAR

HIS STATION 39 (44.35N/ 124.10H TO 44.21N/ 124.11H)

HTHOM

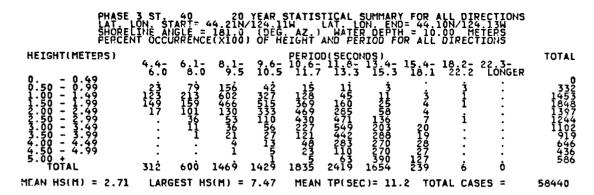
	MAL	FEB	MAR	APR	MAY	HUL	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	544547924510544214058	14000014400010400000000000000000000000	4movvoætæbtatunoton	naonadanamentadan	からないからいないのできないのできない からいんしょう のうしょう のうしょう のうしょう のうしょう のうしょう のうしょう しょうしょう ょう しょうしょうしょう しょうしょう しょう	7206746759550974455746	4-21-7-7-7-9-9-1-1-7-8-5-7-8-5-7-8-5-7-8-5-7-8-5-7-8-5-7-8-5-7-8-5-7-8-5-7-8-5-7-8-5-7-8-5-7-8-5-7-8-5-7-8-5-7	งสางงานหลายงานสายายการางงาน งานงานงานงานงานงานงานงานงานงานงาน	שתחומנים אינוער שתומנים אינוער של מוצים של המוצים של המוצים של המוצים של המוצים של המוצים של המוצים של המוצים מוצים של המוצים של ה	เลยอาณอองจากจากจากกระ	90000000000000000000000000000000000000	997747674721728795266

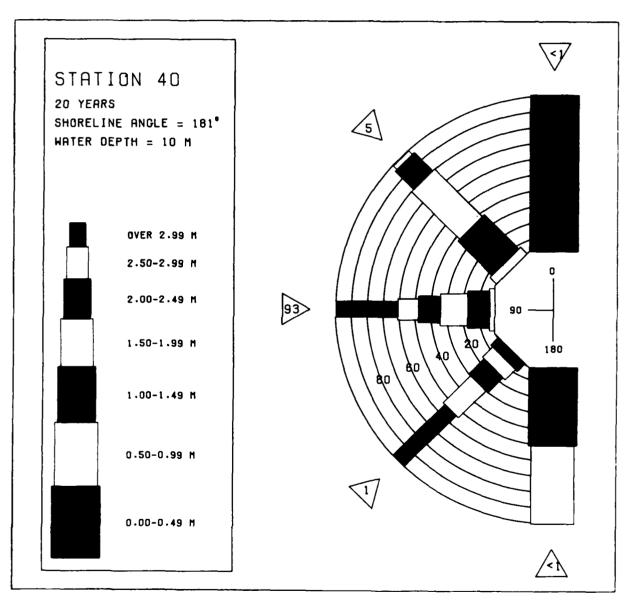
20 YR. STATISTICS FOR PACIFIC STATION 39 (44.35N/ 124.10N TO 44.21N/ 124.11N)

MEAN SIGNIFICANT WAYE HEIGHT (METERS)	2.5
MEST PESCURATE PERIOD COLOR (SECONDS)	11:2 90: 0
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	71:1
STANDARD DEVIATION OF WAVE TP (SECONDS)	2.5
LARGEST MAYE HS HAYE TP ASSOCIATED WITH LARGEST HAYE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAYE HS (DECONDS)	16:7
LARGEST MAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	73121400

PHASE WAYE LAT SHORE PERCE	3 ST. 40 APPROACH A LON. START LINE ANGLE NT OCCURRE	NGLE(REL) = 44.21%, = 181.0 NCE(X1000	(EAR WA TIVE) 124 1 (DEG	VE DIR O SHOR LH AZ) HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATI N DEG L END DEPTH 10D B	STICAL REES)= 44.1 = 10 Y DIRE	SUMMA 0 0N/124 00 ME CTION	ARY 13414.9 ETERS	
HEIGHT(METERS)	4,4- 6.8		9.6- 10.5		SECOND		15.4- 18.1		22.3- LONGER	TOTAL
99999999999999999999999999999999999999				•		:	:		:	00000000000
3.50 - 3.99 4.00 - 4.99 4.50 + 4.99 5.00 +	:			:	:	•			:	Ŏ
TOTAL MEAN HS(M) = 0.	-	0 0 HS(M) =	Ö.	Ö Mean	Õ TP(SEC)	= 0	Ö L NU	Ö MBER C	Ö)F CASES :	= 0
••						•		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		·
	3 ST 40 APPROACH A LON. START LINE ANGLE NT OCCURRE	NGLE(RELA = 44.21N/ = 181.0 NCE(X1000								
HEIGHT(METERS)	4,4- 6	1- 8,1- 0 9.5	9.6- 10.5	PERIOD 10.6- 11.7	(SECOND 11.8- 1 13.3	5) 3.4- 15.3	15.4- 18.1	18.2- 22.2	22 3- LONGER	TOTAL
	66 617 480 11 39 13	· · · · · · · · · · · · · · · · · · ·	•	•	•	•	•	•	•	06329 6296 6596
2.50 - 2.99 3.00 - 3.49 3.50 - 3.99	:		:				:	:		
4.00 - 4.49 4.50 - 4.99 5.00 +	:	: :	:	:	•	:	•	:	•	000
TOTAL MEAN HS(M) = 1.51	1203 14 LARGEST	8 0 HS(M) =	0 2.63	Ö MEAN	TP(SEC)	u ≠ 5	.4 NU	Ö MBER C	U OF CASES :	= 793
PMASE Waye Lat Shore Perce	3 ST. 40 APPROÀCH A LON. START LINE ANGLE NT OCCURRE	NGLE(REL) = 44.21N/ = 181.0 NCE(X1000	(EAR WA TIVE 1 124.11 (DEG.	VE DIR O SHOR W Z HEIGHT	ECTION ELINE I AT LON WATER AND PER	STATI N DES DEPTH DEPTH 100 B	STICAL REES)= = 44.1 = 10. Y DÎRÊ	SUMMA 0N/124 00 ME CTION	ARY 74.9 13W TERS	
HEIGHT(METERS)										TOTAL
HEIGHT(METERS) 0.499	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1- 8.1- .0 9 <u>.</u> 5	(EAR WITE 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		ECTION I ELINE ON HATTER WATTER 13.3 113.3					9 9433 9433 2694 1269 14
HEIGHT(METERS) - 0.949 - 0.94	4.4- 6 8 109 350 1199 1123 7244 123 7244 123 734 136	1-0 8-9-3 426 426 426 426 426 436 436 436 436 436 436 436 43	910 1299299001 229929001 24499299001 244	PERIOD 10:6-7 11:7 4228 16 	\$ECOND 1138-1 133-3 113-3 113	\$) 15.3 8	15.4-ī 18.1 : : :	18, 2- 22,2	22 3- LONGER : : : : : :	94837 94837 102679 1000
HEIGHT(METERS) 0.499	4.4- 6 8 109 350 1199 1123 7244 123 7244 123 734 136	8 9 268 4 268 4 4 6 8 6 2 5 3 1 6 2	910 1299299001 229929001 24499299001 244	PERIOD 10:6-7 11:7 4228 16 	15ECOND	\$) 15.3 8	15.4-ī 18.1 : : :	18, 2- 22,2		94837 94837 102679 1000
HEIGHT(METERS) 0.499	4.4- 6 8 109 350 1199 1123 7244 123 7244 123 734 136	1- 8 9 3 4 42 8 4 8 4 8 4 8 4 8 4 8 4 8 4 8 4 8 4	900 10 15 10 429 29 20 11 2 929 20 11 4 2 4 3 . 9 2	PERIOD 10.7 41.28 6 79 MEAN VE SHOR!	19ECOND 113.3 113.	9315 8	15.4-1 18.1 0 NU STICA)=1 STICA)=1 PRE 44-0 PRE 44-0	18 2- 22 2 	CASES	948 3433 2887 12676 1267 97 14 00 0
HEIGHT(METERS) 0 0.499 0.500 - 0.499 1.500 - 1.2299 1.500 - 2.399 1.500 - 2.399 1.500 - 4.99	4.4-0 6.8 1942 1049 1942 12 1 194 12 1 194 12 1 194 173 1 336 LARGEST CHARGEST CHARG	1- 8-1- 426 426 1498 1498 208 208 208 208 310 3122 HS(M) =	900 10 15 10 429 29 20 11 2 929 20 11 4 2 4 3 . 9 2	PERIOD 10.7 41.28 6 79 MEAN VE SHOR!	19ECOND 113.3 113.	9315 8	15.4-1 18.1 0 NU STICA)=1 STICA)=1 PRE 44-0 PRE 44-0	18 2- 22 2 	CASES	99 3433 2887 1096 2677 109 10 0 0 0 5127
HEIGHT(METERS) 0.499	4.4-0 6.8 1942 1049 1942 12 1 194 12 1 194 12 1 194 173 1 336 LARGEST CHARGEST CHARG	1- 8 1- 4 23 4 23 1493 1493 100 1 3122 1 3122	900 10 15 10 429 29 20 11 2 929 20 11 4 2 4 3 . 9 2	PERIOD 10.7 41.28 6 79 MEAN VE SHOR!	19ECOND 113.3 113.	9315 8	15.4-1 18.1 0 NU STICA)=1 STICA)=1 PRE 44-0 PRE 44-0	18 2- 22 2 	22 3- LONGER : : : : : : : : : : : :	948 3433 2887 12676 1267 97 14 00 0

PHASE A WAYE A LAT . SHOREL PERCENT	ST. 40 PROACH AN DH. START= INE ANGLE OCCURREN	GLE(REL) 44 21N/ = 1810 CE(X1000	(EAR WA TIVE T 124.11 (DEG.	VE DIR O SHOR W L AZ.) IEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIS N DEGR DEPTH 100 BY	TICAL EES)= 44.10 - 10.0 DIREC	SUMMAR 105.0 N/124. 0 MET TION	Y - 134.9 134 ERS	
HEIGHT(METER')	4.4- 6.1 6.0 8.	ō 8;1-5	9.6- 10.5	PERIOD 10.6-7	(SECOND	(§) 3.4- 1 15.3	5.4- 1 18.1	8.2- 2 22.2	2.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 1.49 1.500 - 1.49 2.500 - 2.49 2.500 - 3.49 3.500 - 4.49 4.500 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99	15 15 15 15 15 15 15 15 15 15 15 15 15 1	17 70 133 1991 1826 138	896990 130641 136	139 10977 1100 1100 742	19587392 2624693	41518511 4155511			: : : :	03998153875 3368002416 1225555321
MEAN HS(M) = 3.27	LARGEST	HS(M) =	6.99	MEAN	TP(SEC)		3 NUM	BER OF	CASES =	1771
PHASE AF WAYE AF LATEL SHOPE PERCENT	ST. 40 PROACH AN N. START= INE ANGLE OCCUPREN	GLE(REL) 44.21N = 181.0 CE(X100							Y - 164.9 13 W ERS	
HEIGHT(METERS)	4,4- 6.1 6.0 8.	ō 8;15	9.6- 10.5	PERTOD 10.0- 11.7	(SECONE	(S) 3.4- 1	5.4- 1 18.1	8.2- 2	2 3- LONGER	TOTAL
99999999999999999999999999999999999999	i		: : : : :							01880100000
MEAN HS(M) = 1.54	LARGEST	HS(M) =	2.52	MEAN	TP(SEC)	= 5.	7 NUM	BER OF	CASES =	12
PHASE A WAVE AR LAT SHOREL PERCENT	S ST 40 PROACH AN N. START= INE ANGLE OCCURREN	GLE(REL) 44.21N = 181.0 CE(X1000							Y - 180.0 13W ERS	
HEIGHT(METERS)	4,4- 6.1 6.0 8.	- 8,1 ₅	9.6- 10.5	PERIOD 10.6- 11.7	SECOND	(§) (3.4- 1	5.4- 1 18.1	8.2- 2	2.3- LÖNGER	TOTAL
00-1-22-3-499 5-00-1-22-3-499 5-00-1-22-3-4499 5-00-1-										00000000000
MEAN HS(M) = 0.	LARGEST	noint) =	U.	MEAN	TP(SEC)	= 0.	NUM	BER UF	CASES =	U





HIS STATION 40 (44.21N/ 124.11W TO 44.10N/ 124.13W)

MUN II	н.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
71111111111111111111111111111111111111	6702742246859595474466	noutratantananatannana	กากการแกรงการแกรการการการการเกราะ	จอบอยาราชาว อาเราการาชาว จอบาราชาว จากราชาว จากราชาว จากราชาว จากราชาว จากราชาว จากราชาว จากราชาว จากราชาว จาก	4010111689054519000450	954560797-1656759-12-14	54775545866545759464	45555-17-17-15-14-4-6-550-655	11121711211212121212121	4878897405069887740978	18420517749677786827	655111620850965568045	N6697777677776559879195 M02020202020202020202020202020202020202
MEAN	3.8	3.7	3.2	2.7	2.1	1.7	1.6	1.5	1.8	2.8	3.7	4.1	

LARGEST HS(METERS) BY MONTH AND YEAR

HIS STATION 40 (44.21N/ 124.11W TO 44.10N/ 124.13W)

MONTH

	JAN	FEB	MAR	APR	MAY	HUL	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 A5585566666666777777 E9099999999999999999	5217-6-6-6-4-115-6-15-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-	78415493610800077255	00006074H-00H-00H00H	0465445444445646464646464646464646464646	474080079994778487644	คงกระบายของกระบายของกระบายของคราม	mound 4 demonstration of 4 statement	MOGOMMANANANANANANANANANANANANANANANANANANA	พมี8044-เกิด44ขณิยยามีการ	787-150001-0-5754676006	#605666666466666666666666666666666666666	54654646666767656766

20 YR. STATISTICS FOR PACIFIC STATION 40 (44.21N/ 124.11W TO 44.10N/ 124.13W)

MEAN SIGNIFICANT WAVE HEIGHT MEAN PEAN MAYE PERIOD MOST FREQUENT 30.0 DEGRÉE (CENTÉR) DIRECTION BAND (SECONDS) STÂNDARD DEVIATION OF WAVE HS (METERS) STÂNDARD DEVIATION OF WAVE TP (SECONDS) LARGEST MAYE HS (SECONDS) LARGEST MAYE HS (SECONDS)	21.72 91.34 27.34 14.3
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS (BETERS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURENCE IS (YR.MO.DA.HR)	14.3 98.0 69121118

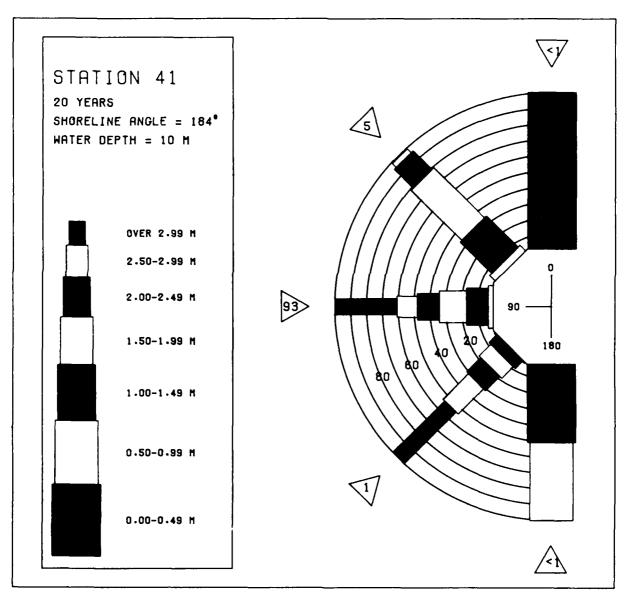
PHASE 3 ST 41 WAYE APPROACH AF LAT. LON. START SHORELINE ANGLE PERCENT OCCURRE	20 YEAR WA NGLE(RELATIVE T = 44.10N/124.13 = 184.0 (DEG. NCE(X1000) OF H	VE DIRECTION STATO O SHORELINE IN DE W LAT LEN DEP AZ.) WATER DEP EIGHT AND PERIOD	ISTICAL SUMMAR GREES) = 0. D= 43.98N/124. H = 10.00 ME1 BY DIRECTION	RY 15W 15W TERS
HEIGHT(METERS) 4,4- 6,		FERIOD(SECONDS) 10.6- 11.8- 13.4- 11.7 13.3 15.3		TOTAL 22.3- LÖNGER
- 0.499 - 0.499 1.2499 - 1.2499 - 2.33499 - 2.33499 - 2.33499 - 2.33499 - 2.33499 - 2.33499 - 2.33499 - 2.33499 - 2.33499 - 3.4499 - 3				
MEAN HS(M) = 0. LARGEST	ns(n) - v.	MEAN TP(SEC) =	O. NUMBER OF	F CASES = 0
		VE DIRECTION STATO O SHORELINE IN DE NORELINE IN DE NORELINE IN DE NORELINE DE		
HEIGHT(METERS) 4.4- 6.0 8	1- 8,1- 9,6- 0 9.5 10.5	PERIOD(SECONDS) 10.6-11.8-13.4- 11.7 13.3 15.3	15.4- 18.2- 2 18.1 22.2	TOTAL LÖNGER
0.50 - 0.49 465 1.500 - 1.49 485 2.500 - 1.499 410 5 2.500 - 1.499 41 3.500 - 3.499 1 3.500 - 3.499 1 3.500 - 4.99 1 3.500 - 4.99 1 5.000 - 4.99 1 5.000 - 4.99 1				. 488 . 488 . 469
4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL 983 7		: : :	: :	: 0
	HS(M) = 2.71		5.3 NUMBER OF	CASES = 619
		VE DIRECTION STATE OF SHORELINE IN DE LAT. LON EN AZ.) WATER DEPT		
HEIGHT(METERS) 4.4- 6.0 8	1- 8,1- 9.6- 0 9.5 10.5	PERIOD(SECONDS) 10.6-11.8-13.4- 11.7 13.3 15.3	15.4- 18.2- 2 18.1 22.2	TOTAL 22.3- LONGER
HEIGHT (METERS) - 0.49 0.50 - 0.49 123 27 1.50 - 1.49 1.53 86 1.53 86 1.50 - 2.49 1.17 77 1.50 - 2.49 1.50 - 3.49 1.50 - 3.49 1.50 - 3.49 1.50 - 4.99 1.50 - 4.99 1.50 - 4.99 1.50 - 4.99 1.50 - 4.99 1.50 - 4.99 1.50 - 4.99		25 1 . 8 1		9461461456 6326110258 9000
5.00 + 7.77 TOTAL 2021 308	 0 1156 199	35 6 i	 Ö Ö	o
MEAN HS(M) = 1.63 LARGEST	NGLE(20 YEAR WA NGLE(RELATIVE T = 44,10N/124.13 = 184.0 NCF(X)000) OF C	MEAN TP(SEC) = VE DIRECTION STATO O SHORELINE IN DE M LAT LON DEP EIGHT AND FERIOD	ISTICAL SUMMAR GREES) = 75.0 D= 43.98N/124 H = 10.00 MET BY DIRECTION	?Y - 104.9 :ERS
HFIGHT(METERS) 4,4- 6,	1 8 1 9 6 - 9 9 5 10 5	FER IOD (SECONDS) 10.7 13.3 15.3 11.7 13.3 15.3 12.30 4311 12.30 12.30 4311 12.30 12.30 4311 12.30 12.30 4311 12.30 12.30 4311 12.30 12.30 4311 12.30 13.30 12.30	15,4- 18,2- 2	TOTAL
0.49	9,5 10.5 10	11.7 13,3 15.3	18.1 22.2	LONGER

MEAN HS(M) = 2.80 LARGEST HS(M) = 7.38 MEAN TP(SEC) = 11.6 NUMBER OF CASES = 51979

	ST 41 PROACH ANGL N. START= 4 NE ANGLE = OCCURRENCE	20 YEAR E(RELATIVE 4.10N/124 184.0 (DE (X1000) OF				ICAL SUMMA ES)= 105/6 43.98N/124 1000 HE DIRECTION	ARY 0 - 134.9 15W tERS	
HEIGHT(METERS)	4.4- 6.1- 0.0 8.0	8.1- 9.6 9.5 10.	PERIOD - 10.6- 5 11.7	(SECOND 11.8-1 13.3	5) 3.4- 15 15.3 1	.4- 18.2- 8.1 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	1i 34 78 15 97 . 78 . 29 . 29 	20 828 11 148 1640 1315 135 107 8 17 8 17 792 594	17379834992 173782923	31 4957 15477 1024	 1862467 177			05760927107 6745478549 133555521
MEAN HS(M) = 3.18	LARGEST HS	6(M) = 6.90	MEAN	TP(SEC)	= 10.3	HOWRER (F CASES =	2020
PHASE 3 WAVE AP LAT LO SHORELI PERCENT	ST.41 PROACH ANGL N. START= 4 NE ANGLE = OCCURRENCE	20 YEAR E(RELATIVE 4.10N/124 184.0 (DE (X1000) OF						
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8.1- 9.6 9.5 10.	PERIOD	SECOND	5) 3.4- 15	.4- 18.2- 8.1 22.2	22.3- LONGER	TOTAL
0.4999999999999999999999999999999999999	i i i i i i i i i i i i i i i i i i i	: : : : : : : : : : : : : : : : : : :			: : : : : :			01961500000
MEAN HS(M) = 1.74	LARGEST HS	S(M) = 2.75	MEAN	TP(SEC)	= 5.9	NUMBER (F CASES =	15
PHASE 3 WAVE APO LAT APO SHORELT PERCENT	ST. 41 PROACH ANGL N. START= 4 NE ANGLE = OCCURRENCE	20 YEAR E(RELATIVE 4.10N/124. 184.0 (DE				ICAL SUMM/ ES)= 165.(43.98N/124 10.00 ME DIRECTION	NRY) - 180.0 115W TERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6 9.5 10.	PERIOD	(SECOND 11.8-1	5) 3.4- 15	.4- 18.2- 9.1 22.2	22.3- LONGER	TOTAL
0.50 - 0.49 0.500 - 1.299 1.500 - 1.299 2.500 - 2.499 3.500 - 3.499 3.500 - 4.99 5.00 + 4.99 TOTAL MEAN HS(M) = 0.	Ö Ö			0 TP(SEC)			i i i i i i i i i i i i i i i i i i i	000000000000000000000000000000000000000

PHASE 3 ST 41 20 YEAR STATISTICAL SUMMARY FOR ALL DIRECTIONS LAT. LON. START = 44.10N/124.13W LAT. LON. END = 43.98N/124.15W SHORELINE ANGLE = 104.0 (DEG. AZ.) WATER DEPTH = 10.00 METERS PERCENT OCCURRENCE(X100) OF HEIGHT AND FERIOS FOR ALL DIRECTIONS

HEIGHT(METERS)	0000		LINIUU	, Ot 711		SECO	NDS)	// ALL	DIKEC	10113	TOTAL
_	4.4-	6.1- 8.0	8.1- 9.5	9.6- 10.5	10.6-	11.8- 13.3	13.4-	15.4- 18.1	18.2-	22.3- LONGER	,,,,,
0.49 0.499 1.500 - 1.223 1.500 - 2.33 2.500 - 33	23 119 159 20	77 210 158 105 137	1597 1597 1597 1597 1597	40 32139 1555 1565	1266555	1138 1580 1587 1587 1587 1587 1587 1587 1587 1587	3145 1253034 12034	· 3 4 4 7 19 19 19 19 19 19 19 19 19 19 19 19 19	3 1 1	: : : :	0 321 1436 14402 1251 1451
4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	: 32i	599	1 1 146 ů	12 1420	1831	285 112 2424	272 270 397 1657	27 26 129 238	:	: ò	646 435 593
MEAN HS(M) = 2.72			5(M) =	_			C)= 11.		TAL CAS	SES =	58440



MIS STATION 41 (44.10N/ 124.13W TO 43.98N/ 124.15W)

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пι	JN	ı٠	•

	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	HOV	DEC	
R67890123456789012345 R67890123456789012345 E9999999999999999	namanananananaanaan	novama-anammuna-anmann	กษาการแบบสายสายสายสายสายสายสายสายสายสายสายสายสายส	ののいののできませんできないのできないのできないのできない。	งการการการการการการการการการการการการการก	95,45,607,07,167,67,59,181,14	54775545066546739464	470000-17-17-18-14-4-6-60-6-9	679-1677-07-69-04-0-19-182-182-182-182-182-182-182-182-182-182	いめてもののからいつらのものでくれのでも	18420517749677796887 550505484888888888888888888888888888888	0777-1-600050000075 0777-1-600050000075	N.66977776777765599899195
MEAN	3.8	3.7	3.3	2.8	2.1	1.7	1.6	1.5	1.8	2.8	3.7	4.1	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 41 (44.10N/ 124.13W TO 43.98N/ 124.15W)

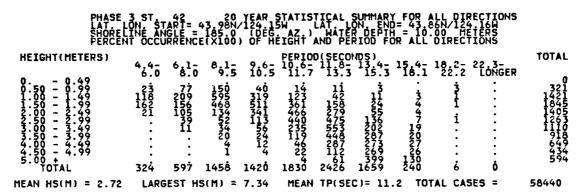
	MAL	FEB	MAR	APR	MAY	MONT	H JUL	AUG	SEP	ост	NOV	DEC
Y1911119666789012345	คระององสามารณจรรมกาม งราชององคงองคงครามารถ	77415499621802077255	087060747217211106150	16466413854467881488	ฯกังสาการณาการณาการณาการการสา	กราราชายายายายายายายายายายายายายายายายายา	สพระส-ส-ระบบงานระบบงานระบบภาพาก พ.ส.ส-ส-ส-ส-ส-ส-ส-ส-ส-ส-ส-ส-ส-ส-ส-ส-ส-ส-	พองานของความการของจากจากจากจากจากจากจากจากจากจากจากจากจากจ	สมของมานากอนาสาวสาวสาวสาวสาวสาวสาวสาวสาวสาวสาวสาวสาว	799-100000000000000000000000000000000000	60494M4MH8009508H654	\$6666566666767656766

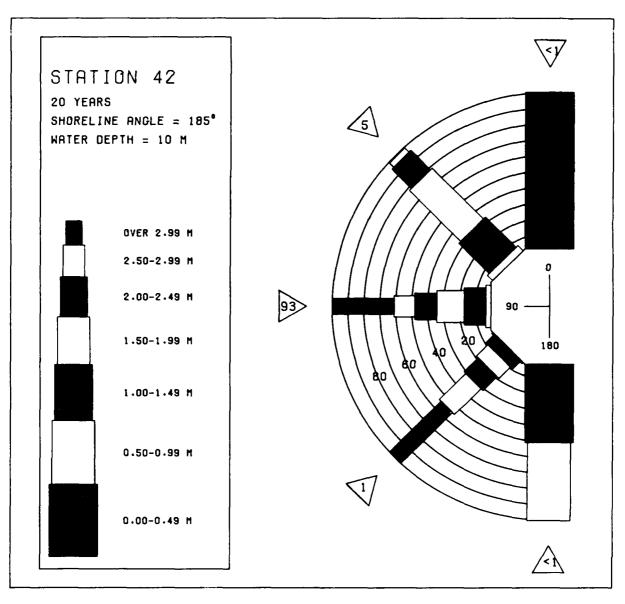
20 YR. STATISTICS FOR PACIFIC STATION 41 (44.10N/ 124.13H TO 43.98N/ 124.15H)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	11.7 11.2 90.0
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	1.3 2.4
LARGEST MAVE HS WAVE TO ASSOCIATED WITH LARGEST WAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	69121118

PMASE HAYE LAT SHORE PERCEI	3 ST 42 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC	20 YEAR W LE(RELATIVE 43.98N/124:1 185.0 (DEG E(X1000) GF	AVE DIRECTION TO SHORELINE 5W LAT L MAZ ; WATER HEIGHT AND PI	N STATISTICA IN DEGREES) ON END= 43. R DEPTH = 10 ERIOD BY DIR	L SUMMARY = 0 14.9 56N/124.16W 500 METERS ECTION	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6- 9.5 10.5	PERIOD(SECON	√05) 13,4- 15,4-	18.2- 22.3- 22.2 LONGER	TOTAL
00119499 00119499 00119499 00119499 00119500 001	6.0 8.0	9.5 10.5	11.7 13.3	15.3 18.1	22.2 LONGER	00000000000
MEAN HS(M) = 0.	LARGEST H	S(M) = 0.	MEAN TP(SE	C) = 0. N	UMBER OF CASES	= 0
PHASE WAYE. LAT. SHORE! PERCE! HEIGHT (METERS) - 0.499 0.500 - 1.499 1.500 - 1.999 1.500 - 2.99	3 ST 42 APPROACH ANG LON. START = 1 LINE ANGLE = 1 NT OCCURRENT 4.4-6.1-6.0 37 4.4-6.0 37 4.43 37 4.43 37 4.43 37 4.43 37 4.43 37 4.43 37 4.43 37 4.43 37 4.43 37 4.43 37 4.43 37 4.43 37 4.43 37 4.43 37 4.43 37 4.43 37 4.43 4.43 4.44 4.45	20 YEAR W LE(RELATIVE 135.0 (DEG E(X1000) OF 1	AVE DIRECTION TO SHORELINE SWAZ.) WATE HEIGHT AND P PERIOD(SECON 10.6-11.7 11.7 13.3			TOTAL 0 377 4462 4283 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99	: :		: :	: :	: :	900
5.00 + TOTAL MEAN HS(M) = 1.51	907 49	å å S(M) = 2.59	Ó Ó MEAN TP(SEI	0 0 C) = 5.3 N	Ö Ö IUMBER OF CASES	= 561
PHASE WAYE LAT. SHORE PERCEI	3 ST. 42 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC	20 YEAR H LE(RELATIVE 43.98N/124-1 1650 (DEG	AVE DIRECTION TO SHORELINE 5W LAT LO MEIGHT AND P	N STATISTICA IN DEGREES) ON END= 43.0 R DEPTH DIR ERIOD BY DIR	L SUMMARY = 45.0 - 74.9 86N/124.16W 00 METERS ECTION	
HEIGHT(METERS)				NDS) 13.4- 15.4- 15.3 18.1		TOTAL
0.1999999999999999999999999999999999999	4.4- 6.1- 6.50 8.0 126 237 1668 7913 157 778 5 207 - 466 - 3 - 3 - 2130 298i	8 1 5 10 6 5 1 10 1 10 1 10 1 10 1 10 1 1	11.7 13.3 17 1 8	15.3 18.1 	22.2 LONGER	75823209000 654268 50202
MEAN HS(M) = 1.64	LARGEST H	S(M) = 3.95	MEAN TP(SE	C) = 6.8 N	UMBER OF CASES	= 3659
PHASE WAYE LATE SHORE PERCE!		20 YEAR W LE(RELATIVE 43.98N/124.1 185.0 (DEG E(X1000) OF	AVE DIRECTION TO SHORELINE 5W LAT LO HEIGHT AND P	N STATISTICA IN DEGREES) CN. END= 43. R DEPTH = 10 ERIOD BY DIR	L SUMMARY = 75.0 - 104.9 86N/124.16W 00 HETERS ECTION	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6- 9.5 10.5	PERIOD(SECON	NDS) 13.4- 15.4- 15.3 18.1	18.2- 22.3- 22.2 LONGER	TOTAL
99999999999999999999999999999999999999	4.4- 6.0 5.4 1206 5.5 144997 155 155 167 177 177 177 177 177 177 177 177 177	8 9 1 5 38 8 4 4 4 1 1 2 5 9 1 1 1 2 5 9 1 1 1 2 5 9 1 1 1 2 5 9 1 1 2	1430 1967 1280 15887 45885 15887 45885 15782 178	344471300 344471300 1148602780 12253087	18.2- 22.3- 22.2 LONGER 35 . 100 . 155 . 156 . 156 . 157 .	95951030658 15373041613 55373041613 215210864517

	3 ST 42 PROÁCH ÁNGI DN. STÁRT= INE ÁHGLE = T OCCURRENCI	20 YEAR LE(RELATIVE 43.93N/124. 185.0 (DE E(X1000) OF				CAL SUMMA \$)= 105.0 3.86N/124 10.00 ME IRECTION	RY - 134.9 16W TERS	
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8,1- 9,6 9.5 10.	PERIOD 5 10,6-	(SECOND 11.8-1	§) 3.4- 15. 15.3 18	4- 18.2- .1 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	10 44 10 82 15 1111 	20 1682 1618 1618 1718 1718 1718 1718 1718 1718			134339 422454 184	· · · · · · · · · · · · · · · · · · ·	: : : : : : : :	0537680999289 79777908549 13755655721
MEAN HS(M) = 3.15	LARGEST M	5(M) = 6.89	MEAN	TP(SEC)	= 10.3	NUMBER O	F CASES =	2124
PHASE A WAY: L LAT: L SHOREL PERCEN	3 ST 42 PPROACH ANGI ON. START= 4 INE ANGLE = T OCCURRENC!	20 YEAR LE(RELATIVE 43.98N/124. 185.0 (DE E(X1000) OF				CAL SUMMA 5)= 135.0 3.86N/124 10.00 ME 1RECTION	RY - 164.9 16W TERS	
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8 j.5 9 6.	PERIOD - 10.6-7 5 11.7	(SECOND 11.8-1	\$) 3.4- 15. 15.3 18	4- 18.2- .1 22.2	22.3- LOHGER	TOTAL
99999999999999999999999999999999999999	193							0104150000
TOTAL MEAN HS(M) = 1.73	12 Å LARGEST H	0 0 5(M) = 2.72	Ó MEAN	Ò TP(SEC)	0 = 5.9	O O NUMBER O	0 F CASES =	14
	3 ST 42 PPROACH ANG ON START= INE ANGLE = T OCCURRENCI							
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8,1- 9.6 9.5 10.	PERIOD = 10,67	(SECOND	\$) 3,4- 15,	4- 18.2- .1 22.2	22.3- LONGER	TOTAL
0.4999999999999999999999999999999999999	Ö Ö	: : : : : : : : : : : : : : : : : : :		13.3 : : : : : : :	: : : : : : :		i conger	0000000000
HENT HOUTE " VI	EAROLUI II.	- · · · · · · · · · · · · · · · · · · ·	IILAII		- ••		. GRULU -	•





WIS STATION 42 (43.98N/ 124.15W TO 43.86N/ 124.16W)
MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E955566666666677777777777777777777777777	noundandanddudduddon	noutre tremmentant trimenin	MANOS AND SALES OF TOP AND SALES OF THE SALE	ののいののできまっていることのできないというというというというというというというというというというというというという	0010-10-1000-1-01-00000000000000000000	95456070716567591614	547755450665567567564	470000-17-17-000044-07-00-00	679-1577-07-69-04-0-19-18-2	58780976506980742978	18000051777496777796877	needeneenteenteenteenteen	M069777677765598897195
MEAN	3.8	3.7	3.3	2.8	2.1	1.7	1.6	1.5	1.8	2.8	3.7	4.1	

LARGEST HS(METERS) BY MONTH AND YEAR

HIS STATION 42 (43.98N/ 124.15W TO 43.86N/ 124.16W)

HTHOM

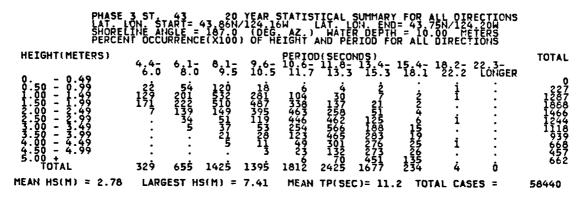
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	94666696999999999666666666666666666666	774-1549-3621-00000772456	00000000000000000000000000000000000000	4467412054467081488	HULLING TO GO OF THE THE THE THE THE THE THE THE THE THE	CHARLES CONTRACTOR CON	AMENIA ADVITAGE AND HOUSE	MOGNAMANANANANANANANANANANANANANANANANANAN	<u> </u>	7981410000000041547100140	4-04-04-04-05-05-06-06-06-06-06-06-06-06-06-06-06-06-06-	50000000000000000000000000000000000000

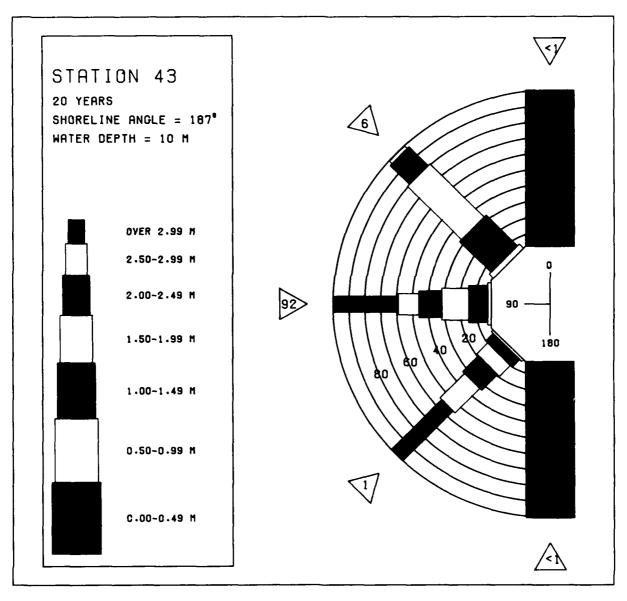
20 YR. STATISTICS FOR PACIFIC STATION 42 (43.98N/ 124.15W TO 43.86N/ 124.16W)

MEAN BEAK MAVE FERTOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (SECONDS) STANDARD DEVIATION OF MAVE HS (METERS) STANDARD DEVIATION OF MAVE TP (SECONDS) \$ TANDARD DEVIATION OF MAVE TP	,
STANDARD DEVIATION OF WAVE TP (SECONDS)	į
LARGEST WAVE HS (METERS) 7.3	
LARGEST MAVE HS WAYE TP ASSOCIATED WITH LARGEST WAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR) 69121118	•

	3 ST. 43 APPROACH AN LON. START= LINE ANGLE NT OCCURREN	GLE(RELATIV 43.86N/124 = 187.0 (D CE(X1000) O					
HEIGHT(METERS)	4,4- 6,1 6.0 8.	- 8,1- 9. 0 9.5 10	PERIOD: 6- 10.6- 11.7	(SECONDS) 11.8~ 13.4- 13.3 15.3	15,4- 18,	2- 22.3- .2 LONGER	TOTAL
	6.0 8. 	0 9.5 10 : : : : :		· · · · · · · · · · · · · · · · · · ·		: : : : : : : : : : : : : : : : : : :	00000000000
MEAN HS(M) = 0.	LARGEST	HS(M) = 0.	MEAN T	TP(SEC) =	O. NUMBE	R OF CASES	= 0
	3 ST. 43 APPROACH AN LON. START= LINE ANGLE NT OCCURREN	GLE(RELATIV GLE(RELATIV 4 1.86N/124 4 1.870/1000 CE(X1000)					TOTAL
HEIGHT(METERS)	4.4- 6.1 6.0 8.	- 8;1- 9 0 9.5 10	6- 10.6- .5 11.7	(SECONDS) 11.8- 13.4- 13.3 15.3	15.4- 18. 18.1 22	2- 22.3- 2.2 LONGER	
001122999999999999999999999999999999999	4.4- 6.1 4.2 i 527 375 275 275 	•					43168 5667 5667 5667
MEAN HS(H) = 1.54		HS(M) = 2.4	•	TP(SEC) =	5.6 NUMBE	R OF CASES :	= 791
PHASE WAVE LAT. SHORE PERCE	3 ST.43 APPROACH AN LON. STARTE LINE ANGLE NT OCCURREN	GLE(RELATIV GLE(RELATIV 41.86N/124 21.870 (4 CE(X1000) 0	WAVE DIR E TO SHOR 16W L EG AZ }	ECTION STAT ELINE IN DE TION DEPT WATER DEPT AND PERIOD	ISTICAL SL GREES)= 4 DRE 43.75N/ DH = 10.000 BY DIRECTI	MMARY 5.0 - 74.9 124 20W METERS ON	
PHASE MAYE LAT SHORE PERCEI HEIGHT(METERS)		20 YEAR GLE(RELATIV 43.86N/124 = 1870 (D CE(X1000) 0					TOTAL
HEIGHT (METERS) - 0.4999 - 1.2999 - 1.	4.4- 6.1 6.0 81 130 164 1264 1339 66 1034 . 111 	8 91- 9 10 10 10 10 10 10 10 10 10 10 10 10 10	PERIOD 10.6.7.5 11.7.67.23.3.503	(SECONDS) 11.8-7 13.4-7 13.3 15.3 1 5	15.4- 18 16.1 22	2- 22 3- .2 LONGER 	4271 2271 2271 2271 21770 21559 00
HEIGHT (METERS) - 0.999 - 0.9499 - 1.2.9499	4.4- 6.1 6.0 81 130 164 1264 1339 66 1034 . 111 	8 91- 9 10 121 121 125 125 125 125 125 125 125 125	PERIOD 10.6.7.5 11.7.67.23.3.503	(SECONDS) 11.8- 13.4- 13.3 15.3	15.4- 18 16.1 22	2- 22 3- .2 LONGER	4271 2271 2271 2271 21770 21559 00
HEIGHT (METERS) 0.499 0.09499 0.000 - 2.499 2.500 - 2.499	4.4- 6.1 130 164 1264 1339 66 164 1.64 1339 . 164 	- 8 1- 9 10 12 12 12 12 12 12 12 12 12 12 12 12 12	PERIOD 10.6.7 67 23 50 25 11 5 26 0 MEAN	SECONDS) 13.3 15.3 1 5. 1 5. 1 5. 1 5. 1 5. 1 5. 1 5. 1 5.	15.4- 18.3 18.1 22.3 18.1	2- 22 3- 2 LÖNGER 	4277 227670 127670 127670 00 00 00
HEIGHT (METERS) 0 - 0 - 499 1 - 0 - 499 1 - 0 - 1 - 949 1 - 0 - 1 - 949 2 - 1 - 949 2 - 1 - 949 3 - 1 - 949 3 - 1 - 949 4 - 1 - 1 - 949 4 - 1 - 1 - 1 - 949 4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	4.4- 6.1 130 164 1264 1339 66 1064 1264 1339 66 1064 1164 1164 1164 1175 1175 1175 1175 1175 1175 1175 117	- 8 1- 9 10 12 12 12 12 12 12 12 12 12 12 12 12 12	PERIOD 10.6.7 67 23 50 25 11	SECONDS) 13.3 15.3 1 5. 1 5. 1 5. 1 5. 1 5. 1 5. 1 5. 1 5.	15.4- 18.1 22.1 22.1 22.1 22.1 22.1 22.1 22.1	2- 22 3- 2 LÖNGER 	4271 2271 2271 2271 21770 21559 00
HEIGHT (METERS) 0.499 0.09499 0.000 - 2.499 2.500 - 2.499	4.4- 6.8 1 1.30 1.64 1.64 1.64 1.64 1.64 1.64 1.64 1.64	- 8 1- 9 10 12 12 12 12 12 12 12 12 12 12 12 12 12	PERIOD 7 233	SECONDS) 13.3 15.3 1 5. 1 5. 1 5. 1 5. 1 5. 1 5. 1 5. 1 5.	0 6.7 NUMBE 15.4- 18.2 0 6.7 NUMBE 15.4- 18.2 15.4- 2- 22.3- -2 LONGER 	477144040 2026471859000 2026471859000 2026471859000 2026471859000 2026471859000 2026471859000 2026471859000 20264718590000 20264718590000 20264718590000 20264718590000 20264718590000 20264718590000 202647185900000 2026471859000000000000000000000000000000000000	

PHASE 1 WAVE AF LATOREL SHOREL PERCENT	ST. PROACH N. ST. INE AND	43 H ANGLI ART 4 SLE = RENCE	E(RELA 3.86N/ 1870 (X1000	EAR WA	VE DIR O SHOR W AZ) IEIGHT	ECTION ELINE I AT. LO: HATER AND PER	STATIS IN DEGR I END DEPTH LIOD BY	TICAL EES)= 43.7 DIRE	SUMMAR 105.0 5N/124 00 MET CTION	7Y - 134.9 20W TERS	
HEIGHT(METERS)	4.4-	6.1 <u>-</u>	8,1-			(SECOND 11.8- 1 13.3					TOTAL
0.50 - 0.49 0.50 - 1.49 1.500 - 1.49 2.500 - 2.49 2.500 - 3.49 4.500 - 4.49 4.500 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99	10522	51 990 6651 13	187 1874 1818 1848 1478 23	17869484215 1109484215	·		17441 17441 203	•	•	:	70017488199 7001748528 244555321
5.00 + TOTAL	37	383	844		884 884	617	203	é	Ö	Ö	189
MEAN HS(M) = 3.11	LARGI	EST HS	(M) =	7.22	MEAN	TP(SEC)	= 10.	3 NU	MBER OF	F CASES =	2104
PHASE AF HAYE AF SHOREL SHOREL	ST PROACH DN. ST INE AND OCCUR	43 1 ANGLI ART = 4 3 LE = 2 RENCE	20 Y E(RELA 3.86N/ 1870 (X.000							7Y - 164.9 20W TERS	
HEIGHT(METERS)	4.4 <u>-</u> 6.0	6.1- 6.0	8,1 <u>-</u>	9.6- 10.5	PERIOD	11.8- 1 13.3	(5) (3,4~) (5,3)	5,4- 18 1	18,2- 6	22.3- LONGER	TOTAL
0 499 0 1 499 0 1 499 0 1 1 22 3 3 4 99 0 1 1 22 3 3 4 99 0 1 1 22 3 3 4 99 0 1 1 2 2 3 3 4 99 0 1 2 3 3 4 99 0 1 2 3 3 4 9 9 0 1 2 3 3 3 4 9 9 0 1 2 3 4 9 9 0 1 2 3 4 9	i51 · · · · · · · · · · · · · · · · · · ·	i : : : :	; ; ; ;		i : : : : : : : : : : : : : : : : : : :				· · · · · · · · · · · · · · · · · · ·	: : : : : : : :	01610000000
MEAN HS(M) = 1.22	LARGI	EST HS	(M) =	1.60	MEAN	TP(SEC)	= 5.	.3 NU	MBER O	F CASES =	6
PHASE A WAVE A LAU SHOREL PERCEN	S ST PROÁCI DN. ST/ LNE ANG	43 H ANGL ART 4 JLE = RRENCE	20 20 20 20 20 20 20 20 20 20 20 20 20 2							RY - 180.0 - 20W TERS	
HEIGHT(METERS)	4.4-	6.1- 8.0	8;1 <u>-</u>	9.6. 10.5	PERIOD 10.6-	(SECOND 11.8- 1	(5) (3,4) 15,3	5.4- 18.1	18.2- 8	22.3- LÖNGER	TOTAL
0.50 - 0.49 1.50 - 1.49 1.50 - 1.49 2.50 - 2.79 2.50 - 2.79 3.60 - 2.79 3.60 - 2.79 3.60 - 2.79 4.99 TOTAL MEAN HS(M) = 0.	Ö		,					· · · · · · · · · · · · · · · · · · ·		: : : : : :	00000000000
MEAN HS(M) = 0.	LARG	EST HS	(M) =	0.	-	TP(SEC	= 0.	. NU	-	F CASES =	0





HIS STATION 43 (43.86N/ 124.16H TO 43.75N/ 124.20H)

						MONI	n						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E5151516666666677777 E91999999999999999999	nountandandannandannandanna	ADVADAGE SALES SAL	46407เกิด เป็นสายสายสายสายสายสายสายสายสายสายสายสายสายส	ตอเกจ จายเกาออจ ณ สาวสารณ สารณ สารณ สารณ สารณ สารณ สารณ สารณ	Nonconstruction of the state of	05567980000467-6050145	658864559775556738265	134060017000000000000000000000000000000000	689-16880869-149-6-10-482	いっとうのののつからいからいっとかっといっといっといっといっというというというというというというというというというというというというというと	กลากราชายากราชายาการาชายา	0444400MH00440MH04MH04M	Menonalanananananananan Menonalananananananananananananananananana
MEAN	3.9	3.8	3.3	2.8	2.1	1.8	1.6	1.5	1.8	2.8	3.8	4.1	
			ι	ARGES	T HS(METER	S) BY	MONT	'H AND	YEAR	!		
		WIS S	TATIO	N 43	{43	.86N/	124.	16W T	0 43.	75N/	124.2	(HO	
						MONT	H						

						LION	n					
	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R678901-2345678901-2345 R678901-2345678901-2345 R955590909090909090909090909090909090909	52001775-15740417-15047	15757469747772799027947467		18095445000000000000000000000000000000000	งมหายงายงายงายงายงายงายงายงายงายงายงายงายงา	0.6-1805/488-105/2/46777-60 กัณนนากการกับการณนนณนากกาก	พระสาราชานานการาชานานการาชานานานการาชานานานานานานานานานานานานานานานานานาน	งมากงงานกงงงงงางมางงงงงงงงงงงงงงงงงงงงงง	468ณ4ากมาจะเกียยวายาง47 ณาการณามาจะเกียยวายาง	77-1-110-00-13-167-86-6157-20-0	804654642-1-47025-1-154	56666666666757656766

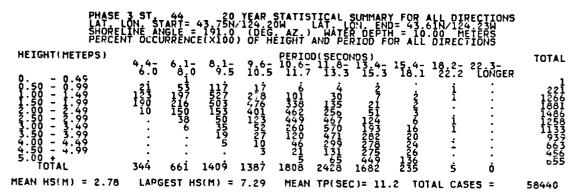
20 YR. STATISTICS FOR PACIFIC STATION 43 (43.86N/ 124.16W TO 43.75N/ 124.20W)

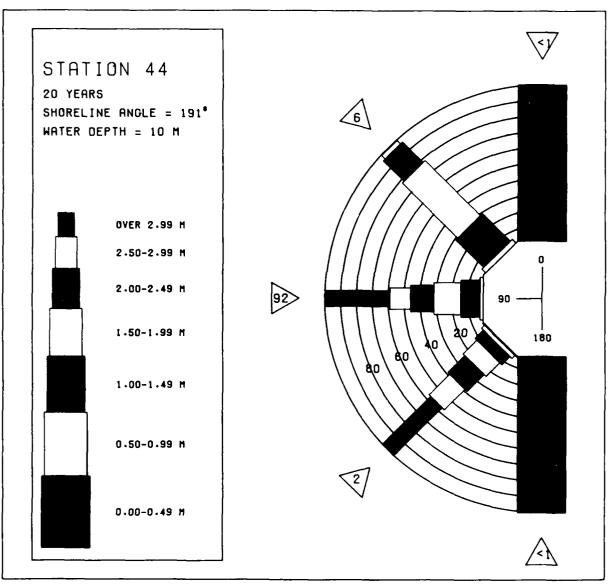
MEAN SIGNIFICANT HAVE HEIGHT	2.8 11.0 90.35 12.7
LARGEST MAVE HS	7.4 14.3 104.2 69121118

PHASE WAYE LAT SHORE PERCE	3 ST 44 APPROACH AI LON. START LINE ANGLE NT OCCURREI	GLE(RELA 43.75N/ = 191.0 (CE(X1000	EAR WAY TIVE TO 124.201 (DEG.) OF HI	VE DIRE D SHORE W L/ AZ) EIGHT /	CTION LINE I LT LON HATER NO PER	STATIST H DEGRE PENDS DEFIH =	ICAL SUM E51= 0 43.61N/1 10.00 DIRECTIO	MARY 24.23414.9 METERS N	
HEIGHT(METERS)	4.4- 6.1				SECOND 11.8- 1			- 22.3- 2 LONGER	TOTAL
99999999999999999999999999999999999999	6.0 8	9.5	10.5	:	13.3	15.3 1	8.1 22.	Z LUNGER	00000000000
4.50 - 4.99 5.00 + TOTAL	ů (O	Ó	Ò	Ö	Ö	 	Ö	0
MEAN HS(M) = 0.	LARGEST	HS(M) =	0.	MEAN T	FP(SEC)	= 0.	NUMBER	OF CASES =	0
	3 ST 44 APPROACH AN LON. START LINE ANGLE NT OCCURREN	4GLE(RELA - 43.75N/ = 191.0 4CE(X1000							
HEIGHT(METERS)	4.4- 6.1 6.0 8	8.1-	9.6- 10.5	PERIOD(10.6-1	SECOND: 13.3	3) 3.4- 15 15.3 1	.4- 18.2 8.1 22.	- 22.3- 2 LONGER	TOTAL
- 0.999999999999999999999999999999999999	18 400 359 20		•	•	•	•		:	087640000 1165 455
4.00 - 4.49 4.50 - 4.99 5.00 +	•		•					:	Ŏ
TOTAL MEAN HS(M) = 1.55	777 278 LARGEST	} 0 HS(M) =	0 2.35	Ö MEAN 1	0 TP(SEC)	0 = 5.6	0 0 NUMBER	OF CASES =	618
PHASE WAYE LATE SHORE PERCE	3 ST. 44 APPROACH AN LON. START: LINE ANGLE NT OCCURREN	GLE(RELA : 43.75N/ : 191.00	EAR WAY TIVE TO 124.201 (DEG.) OF HI	VE DIRE 3 SHORE 4 AZ) EIGHT /	CTION (LINE II LT. LON WATER (AND PER	STATIST V DEGRE END= DEPTH = LOD BY	ICAL SUM E5}= 45 43.61N/1 10.00 DIRECTIO	MARY 0 - 74.9 24 23W METERS N	
HEIGHT(METERS)	4,4- 6.3 6,0 8	8,1-	9.6- 10.5	PERIOD(SECOND	3) 3,4- 15 15	.4- 18.2	- 22.3- 2 LONGER	TOTAL
99999999999999999999999999999999999999	4,4- 63 130 10 740 77 1478 126 195 114	210 210 210 210 210 25 25	47	6	:	3		E CONGER	287 1774
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	2444 352		3 : : 59			: : :	: : : : : : : : : : : : : : : : : : :		2743285 8755935 178224 12224
	2444 352	3 457		6 MEAN 1	; ; ; å (P(SEC)	-	Ö Ö	: : : : 0	
TOTAL MEAN HS(M) = 1.72 PHASE WAVE LATE SHORE PERCE	2444 352	3 457 HS(M) =	3.69 EAR WAY TIVE TO 124.201 (DEG.) OF HI	VE DIRE D SHORE N LA AZ) EÎGHT A	ECTION : ELINE II IT. LON WATER I	= 6.5 STATIST N DEGRE END= DEPTH = ICD BY	ICAL SUM ES)= 75 43.61N/1 10.00 DIRECTIO	MARY 20 - 104.9 24.23W METERS	3806
TOTAL MEAN HS(M) = 1.72 PHASE WAYE LATE SHORE PERCE HEIGHT(METERS)	2444 3526 LARGEST APPROACH A LON. START LINE ANGLE NT OCCURREN	457 HS(M) = 20 YA (GLE(RELA (FA) (FA) (FA) (FA) (FA) (FA) (FA) (FA	3.69 EAR WAY TIVE TO 124.20 1 (DEG HI	VE DIRE O SHORE AZ.) EIGHT A PERIOD(1016-7)	ECTION LINE II T. LON WATER I WATER I SECOND	= 6.5 STATIST N DEGRE SEND= DEPTH = DEPTH = DE	ICAL SUM ES)= 75 43.61N/1 10.00 DIRECTIO	MARY 20 - 104.9 24.23W METERS	3806
TOTAL MEAN HS(M) = 1.72 PHASE WAVE LATE SHORE PERCE	2444 3520 LARGEST APPROACH ALONI START LINE ANGLE NT OCCURREN 4.4-6.8 46.0 8. 46.0 32. 86.0 107. 11. 233.	457 = YAX 0 0 15 15 10 15 15 15 15 15 15 15 15 15 15 15 15 15	3.69 EAR HAN TIVE TO THE TO T	VE SHORE A A Z 1 A	ECTION LINE II T. LON WATER I WATER I SECOND	= 6. STE = 151 STEPH B 151 TATEPH B 151 ST. STEPH B 151 ST. STEPH B 151 ST. ST. STEPH B 151 ST. ST. ST. ST. ST. ST. ST. ST. ST. ST.	ICAL SUMB E33 - 1 N/1 0 10 10 10 12 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MARY 20 - 104.9 24 - 23 M METERS N - 22 - 3 - 2 LONGER 	3806 TOTAL 1050820969 1040976709696969696969696969696969969696969

HEIGHT (HETE'S) - 0.99 - 0.99 - 13 88 - 23 - 16 117 - 1183 - 1184 - 1222 - 20 15 1185 - 1284 - 1282 - 20 17 - 1294 - 1295 - 129	PHAS WAVE LAT. SHOR PFRC.	E 3 ST 44 APPROACH / LON. CTART ELINE ANGLE ENT OCCURRE	ANGLE(REL 1 43.75N = 191.0 ENCE(X100					CAL SUMM S)= 105. 3.61N/12 10.00 M IRECTION	ARY 0 - 134.9 4.23W ETERS	
### TOTAL 38				9.6- 10.5	PERIOD(10,6- 1 11.7	SECONDS 1.8- 13 13.3 1	5) 5.4- 15 5.3 16	4- 18.2- .1 22.2	22.3- LONGER	TOTAL
PHASE 3 ST. 44 MGLE 20 YEAR WAVE DIRECTION STATISTICAL SUMMARY WAYE APPROACH ANGLE 75 N / 12 20 N LATTED N GEGRES : 135.0 2 164.9 EATH LONG START = 43,75 N / 12 20 N LATTED N GEGRES : 135.0 2 164.9 SHORELINE COLUMN START = 43,75 N / 12 20 N LATTED N GEGRES : 135.0 2 164.9 HEIGHT (METERS) 4.4 - 6.1 - 8.1 - 9.6 - PRIOD (SECONDS) 0.50 - 0.49	5:00 + TOTAL	: 38 4:	: 21 38 961				257	6 C		
HEIGHT (METERS) 4.4-6.1-8.1-9.6-10.5 11.8-13.4-15.4-18.2-22.3-10.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	MEAN HS(M) = 3.0	3 LARGES	r HS(M) =	7.29	MEAN T	P(SEC)	= 10.4	NUMBER	DF CASES =	2496
0.50 - 0.99	PHAS WAY: LAY: SHOR PERC	E 3 ST APPROACH / LON. STAR ELINE ANGLI ENT OCCURRI	4 ANGLE(REL I= 43.75N E= 191.0 ENCE(X100	YEAR WA ATIVE TO 124.20 (DEG. 0) OF H	VE DIRE O SHORE W LA EIGHT A	CTION S LINE IN T. LON. WATER D ND PERI	TATISTI I DEGREE END= 4 EPTH =	CAL SUMM 5)= 135. 3.61N/12/ 10.00 M IRECTION	ARY 0 - 164.9 4.23W ETERS	
0.50 - 0.99		4.4- 6.0 8	1- 8,1- 3.0 9.5	9.6- 10.5	PERIOD(10,6-1	SECONDS 13.3	5,4- 15. 5,3 16	4- 18.2-	22.3- LONGER	TOTAL
PHASE 3 ST	0 0.49 0.50 - 0.99 1.00 - 1.49 1.50 - 1.99	5 1 1	8.	•		•	•		:	13 12 8 1
PHASE 3 ST	2.00 - 2.49 2.50 - 2.99 3.00 - 3.49	:	3 :	:	:	:	:	: :	:	9300
MEAN HS(M) = 0.96 LARGEST HS(M) = 2.60 MEAN TP(SEC) = 6.0 NUMBER OF CASES = 24 PHASE 3 ST. 44 C. 20 YEAR WAVE DIRECTION STATISTICAL SUMMARY HAVE APPROACH ANGLE (RELATIVE TO SHORELINE IN DEGREES) = 165.0 - 180.0 SHORELINE ANGLE = 37.5N/124.20 LAT. LON. STATISTICAL SUMMARY HAVE SHORELINE ANGLE = 37.5N/124.20 LAT. LON. END= 43.61N/124.23 M LAT. LON. STATISTICAL SUMMARY HAVE SHORELINE ANGLE = 37.5N/124.20 LAT. LON. STATISTICAL SUMMARY HAVE SHORELINE AND PERIOD SHORELINE AND PERIOD HETERS PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION HEIGHT(METERS) 4.4-6.1-8.1-9.1-9.6-10.6-11.8-13.3 15.3 13.1-12.2-22.3-10.0 C. 0.0	•		:	:	:	:		•	ŏ	
HEIGHT(METERS) 4.4- 6.1- 8.1- 9.6- 10.6- 11.8- 13.4- 15.4- 18.2- 22.3- 10.5- 10.5- 11.7- 13.3- 15.4- 18.2- 22.3- 15.2-	IOIAL		-	2.60	•	•	•	•	OF CASES =	24
0:50 - 0:499 1:00 - 1:499 2:50 - 2:499		E 3 ST. 44 APPROACH LON. STAR ELINE ANGLI ENT OCCURRI	NGLE(REL = 43.75N = 1910 NCE(X100						ARY 0 - 180.0 1 - 23W ETERS	
1:50 - 1:33 2:00 - 2:49		4.4- 6 6.0	3.0 8,1 ₅	9.6. 10.5	PERIOD(10.6- 1 11.7	SECONDS 13.3 1	4- 15 5.3 13	4- 18.2- .1 22.2	22.3- LÖNGER	
22.000 - 2.499	0:50 - 0:99 1:00 - 1:49 1:50 - 1:99	•		:	:	:	:		•	ŏ
4:00 - 4:49 4:50 - 4:99	2.50 - 2.49 2.50 - 2.99 3.50 - 3.49	•	: :	:	:	:	:	: :	•	0000
	4.50 - 4.49 4.50 - 4.99 5.00 +	:	: : 	: :	: ò	: :	: :	: • •		ŏ

MEAN HS(M) = 0. LARGEST HS(M) = 0. MEAN TP(SEC) = 0. NUMBER OF CASES = 0





WIS STATION 44 (43.75N/ 124.20W TO 43.61N/ 124.23W)

MONTH

	MAL	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	BEC	
R67890123456789012345 R655556666666666777777 E999999999999999	197-1-1742978164-00421567	nnandanannandanaann	ทอง อาการแกรมการแกรมการการการการการการการการการการการการการก	ดอเกองอเทพองจะเทพ47-0.49-0.4 กับทักงเจนจนจนจนจนจนกับทักมาจ	การนานสาขอนสาของเกาเกอก	05055798-100-64-67-6050015	65086456978556740266 11111111111111111111111111111111111	546662720000055676174	6891688887914861948V	พระสานานานานานานานานานานานานานานานานานานาน	กรการสกสราชาการการการสกส	04442634060067578045	N66088877877560980205
MEAN	3.8	3.7	3.3	2.8	2.1	1.8	1.7	1.5	1.8	2.9	3.7	4.1	

LARGEST HS(METERS) BY MONTH AND YEAR

HIS STATION 44 (43.75N/ 124.20H TO 43.61N/ 124.23H)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC
Y1111111111111111111111111111111111111	54466656657465574666666	574465656565466666666666666666666666666	19687008956747287268	18595564475644757097561	41144111104111111111111111111111111111	กลงการการการการกระบบการการการการการการการการการการการการการก	4744100งงบบบบบบบบบบบบบบบบบบบบบบบบบบบบบบบบบ	40-104 การเกราะสายการเกราะสายการเกราะสายการเกราะสายการเกราะสายการเกราะสายการเกราะสายการเกราะสายการเกราะสายการเก	๔๓๓๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛	87-1-15901-13067-87-657-1306	804654642174202151754	56666666666757656766

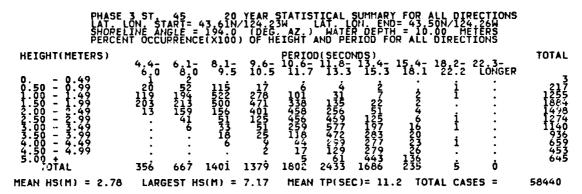
20 YR. STATISTICS FOR PACIFIC STATION 44 (43.75N/ 124.20W TO 43.61N/ 124.23W)

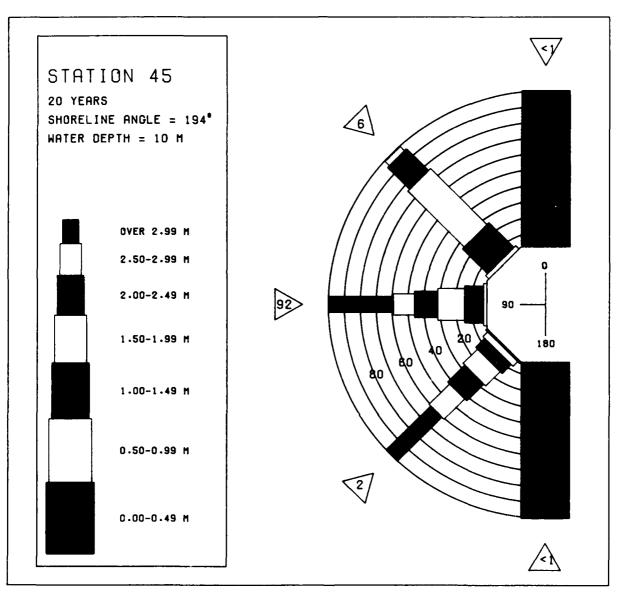
MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECONDS)	12.8
MOST EREQUENT 30.0 DEGREE (CENTER) DIRECTION RAND (DEGREES)	90:6
STANDARD DEVIATION OF WAVE HS (SECONDS)	}. રૂ
LARGEST WAVE HS 104 OF MAYE IF (METERS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	, 7. 3
AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	105.7
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	69121118

	PHASE 3 ST WAVE APPRO LAT. LON SHORELINE PERCENT OC	ACH ANGL START= 4 ANGLE = CURRENCE	20 YE E(RELA] 3.61N/1 194.0 (X1000)	AR WAY IVE TO 24.23 DEG.	SHORE SHORE AZ.)	CTION S LINE IN T. LON. WATER U	TATIST DEGREE END= DEPTH = CD BY	ICAL ST ES) = 43.50N, 10.00 DIRECT	JMMARY 0.24.26 124.26 METER ION	14.9 W 5	
HEIGHT(METE	RS) 4.4	- 6.1-	8,1 <u>-</u>			SECONDS 1.8- 13 13.3		4~ 18 8.1 2		TO	TAL
		0 8.0 : : : :	9.5	10.5	11.7	13.3 1	.5.3 1 	8.1 24 : : :	2.2 LO : : : :	NGER	1000000000
MEAN HS(M) =	0.02 LA	RGEST HS	(M) = 0	.02	MEAN T	F(SEC)	= 5.3	NUMBI	R OF C	ASES =	1
HEIGHT(METE	PHASE 3 ST WAVE APPRO LAT LON. SHORELINE PERCENT OC	45 ACH ANGLI START= 4 ANGLE = CUPRENCE	20 YE E(RELAT 3.61N/1 194.0 (X1000)					ICAL SEES)= 43.50N/ 10.00 DIRECT:	IMMARY L5.0 ~ /124.26 NETER 	44.9 S	TAI
	4,4	- 6.1- 0.8.0	8,1 <u>-</u> 9.5	9.6- 1 10.5	11.7	SECONDS 13.3	.4- 15 5.3 1	8.1 18	2- 22 2.2 Lo	3- NGER	
	6 326 331 3	155 39	:		:				:	· · · · · · · · · · · · · · · · · · ·	06462000000 384
4.50 - 4.99 5.00 +	666	: 202	: ò	:	: ò	: ò	: 6	: ô	ŏ		Ŏ
MEAN HS(M) =		RGEST HS	•	2.32	•	P(SEC)	•	NUMBE	R OF C	O Ases =	510
HEART METHY	1.50										
	PHASE 3 ST HAVE APPRO LAT LON SHOPELINE PERCENT OC		20 YE E(RELAT 3.61N/1 194.0 (X1000)	AR WAV IVE TO 24.23h (DEG.	/E DIRE) SHORE LA AZ.) EIGHT A		STATIST DEGRE END= EPIH = OD BY	ICAL SU ES)= 43.50N, 10.00 DIRECT:		74.9 S	FAI
HEIGHT(METE	PHASE 3 ST HAVE APPRO LAT. LON. SHOPELINE PERCENT OC RS)	ÁCH ANGL ÁCH ANGL START= 4 ANGLE = CURRENCE	8,1=	AR WAV IVE TO 24.23h (DEG.	/E DIRE) SHORE LA AZ.) EIGHT A	CTION S LINE IN LINE IN LINE IN WATER NO PERI SECONDS	STATIST DEGRE END= EPIH = OD BY	ICAL SU ES) = 4 10.500 DIRECT: 6.1 182	JMMARY 15.0 - 124.26 METER ION	74.9 S To:	TAL
HEIGHT (METE 0.1.1.49494 0.1.1.49494 1.1.4949 1.1.49	PHASE 3 ST HAVE APPRO LATOR LONE PERCENT OC RS) 4.4 131 1770 1613	ACH ANGL START 4 ANGLE 4 CURRENCE - 6.1- 0 8.0		AR WAY IVE TO 24.23k (DEG.) OF HE	/E DIRE) SHORE LA AZ.) EIGHT A		STATIST DEGRE END= EPIH = OD BY		JMMARY 15.0 - 124.26 METER ION	74.9 S 3- TOT	2
HEIGHT(METE 0.50 - 0.000 - 0.	PHASE 3 ST HAVE APPRO SHOPELINE PERCENT OC RS) 461 7710 1119	45 AN 34 AN	8 9 17 26 15 3 5 · · · · · · · · · · · · · · · · ·	234 106 HE 106 HE 237 237	ZE DIRECTOR LAZ) LAZ) LAZ) LAZ) LAZ) LAZ) LAZ) LAZ (LAZ) L	\$ECONDS 13.3	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	8-1 18 8-1 27	JMMARY 15.0 -6 16.1 ER 10N 2.2 21.0 	74.9 5 101 13_ TOT NGER 	29761185000 2512674
HEIGHT (METE 0 0.9499 0.500 - 1.500 - 1.500 - 1.500 - 1.499 12.5500 4.99 1.500 + 4.99 1.500 + 4.99 1.500 + 4.99 1.500 + 4.99 1.500 + 4.99	PHASE APPROLINE APPROLENT OC 46 1 1370 1613 1199 26 34 1.76 LA PHASE APPROLINE CONTRACTOR ENTRACTOR ENTRAC	ACH ANS J. ACH ANS J. ACH ANS J. ACH ANS J. ACH ANS J. ACH ANS J. ACH AND J.	8.1- 9.5 17 846 441 250 (M) = 3	27 27 27 27 27 27 27 27 27 27 27 27 27 2	FERIOD (10.7) 3 MEAN T SHORLA MEAN T	SECONDS 13.3 13.3 6 P(SEC) CTINE ON IN THE LON IN THE LON IN THE LON IN	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	41 18 27 6 1 27 6 1 2 7 6 1 2	JMMARY - 6-1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	74.9 3- NGER 100 100 100 100 100 100 100 1	29761185000 251261324 25932 25932 72
HEIGHT (METE 0.50 - 0.49 0.50 - 0.49 1.500 - 12.99 22.500 - 3.49 3.500 - 4.99 4.500 - 4.99 5.00 + 4.99 MEAN HS(M) =	PHASE APPROLITION OF A STATE OF A	45 AN 34 45 AN 34 AN	8 9 1 5 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7	234 24 25 HE 25 0 F HE 26 5 1 2 3 1	PERIOD (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SECONDES SECOND	3	41 18 27 6 1 27 6 1 2 7 6 1 2	JMMARY - 6-1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	74.9 3- NGER 104.9 3- 104.9 3- 104.9	297761185000 3 2572674 2572674 2572674
HEIGHT (METE 0 0.9499 0.500 - 1.500 - 1.500 - 1.500 - 1.499 12.5500 4.99 1.500 + 4.99 1.500 + 4.99 1.500 + 4.99 1.500 + 4.99 1.500 + 4.99	PHASE APPROLITION OF A STATE OF A	A A A A A A A A A A A A A A A A A A A	8 9 1 5 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7	234 24 25 HE 25 0 F HE 26 5 1 2 3 1	PERIOD (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SECONDS 13.3 13.3 10.0 P(SEC) CTINEON CANADA THAT PER IN MND CONDS SECONDS THAT PER IN MND CONDS SECONDS THAT PER IN MND CONDS SECONDS THAT PER IN SECONDS SECONDS THAT PER IN SECONDS SECONDS THAT PER IN SECONDS SECONDS THAT PER IN SECONDS SECONDS THAT PER IN SECONDS SECONDS THAT PER IN SECONDS SECONDS THAT PER IN SECONDS THAT PER IN SEC	TATISTE = 1 DEGE = 2 STATISTE STATIST STATISTE STATISTE STATIST ST	100 MUMBI SI NO TIES 10 10 10 10 10 10 10 10 10 10 10 10 10	JMM ARY - 66 C	74.9 3- NGER 100 100 100 100 100 100 100 1	297761185000 3 2572674 2572674 2572674

MEAN HS(M) = 2.86 LARGEST HS(M) = 7.17 MEAN TP(SEC) = 11.6 NUMBER OF CASES = 51272

PHASE A WAVE A LAT L SHOLL PERCEN	3 ST 45 PPROACH AN ON. START= INE ANGLE T OCCURREN	GLE(REL) 43.61N = 1910 CE(X100	(EAR HA (TIVE) (124.23 (DEG.	VE DIR O SHOR SW AZ) HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIS N DEGR L END = DEPTH LOD BY	TICAL EES)= 43.5(= 10.6	SUMMAR 105.0 00/124. 00 MET TION	24 - 134.9 - 26H ERS	
HEIGHT(METERS)	4,4- 6,1 6.0 8.	ō 8;15	9.6- 10.5	PERIOD 10.6- 11.7	SECOND	S) 3,4- 1	5.4- 1 18.1	18.2- 2	2 3- LONGER	TOTAL
- 0.49 0.50 - 1.49 1.50 - 1.49 2.50 - 2.49 2.50 - 3.49 3.50 - 3.49 4.50 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 MEAN HS(M) = 2.95	20 107 22 107 22 107 . 54 . 1	30 177 2883 1883 1400 25 1108	3415688 3527484815 121111 8	62424333849 222214633	2978997 1227897 12978977 12975	155768187 6847			: : : : : : : :	07111822977705 5402856250 89
MEAN NS(M) - 2.75	LARGEST	n3(11) -	7.10	MEAN	TP(SEC)	- 10.	₩ NUI	יוטבא טר	CASES =	2007
PHASE WAYE A Lat Shorel Percen	3 ST 45 PPROACH AN ON. START= INE ANGLE T OCCURREN	GLE(RELA 43.61N = 194.0 CE(X1000					TICAL EES)= 43.5(= 10.0	SUMMAR 135.0 00/124. 00 ME1	14 - 164.9 26W TERS	
HEIGHT(METERS)	4,4- 6,1	ō 8,1-	9.6- 10.5	PERIOD 10.6- 11.7	(SECOND	S) 3.4- 1	5.4- 1 18.1	18.2- 2	2.3- LONGER	TOTAL
0.4999999999999999999999999999999999999	4,4- 6,1 6,0 8,0 3,0 1,5 5,1 1,1									2222
3.00 - 3.49 3.50 - 3.99 4.00 - 4.49	: :	•	:	:	:	:	:	:	:	100000
4.50 - 4.99 5.00 + TOTAL	15 57	Ö	Ö	Ò	Ċ	Ō	Ö	Ö	Ö	0
MEAN HS(M) = 0.82	LARGEST	HS(M) =	2.51	MEAN	TP(SEC)	= 6.	2 NUT	1BER OF	CASES =	45
PHASE WAYE A Lationel Storel Percen	3 ST. 45 PPRUACH AN ON. START= INE ANGLE T OCCURREN	GLE(REL) 43.61N/ = 194.0 CE(X1000								
HEIGHT(METERS)	4,4- 6,1 6.0 8.	ō 8;1-	9.6- 10.5	PERIOD 10.6-7	SECOND	\$) 3.4- 1 15.3	5.4- 1 18.1	18.2- 2	2 3- LÖNGER	TOTAL
- 0 1 999 - 1 1 999 - 1 1 2 2 3 3 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		:	:	:	:	:	:	:	:	0
1:50 - 1:99 2:50 - 2:99	: :	•	:	:	:	•	:	:	:	00000000000
2.49 2.99		:	:	:	:	:	:	:	:	000
5.00 + 4.79 TOTAL	 Ò Ò	Ö	Ö	Ö	Ċ	Ö	Ö	Ö	Ò	8
MEAN HS(M) = 0.	LARGEST	43(M) =	0.	MEAN	TP(SEC)	= 0.	1טא	1BER OF	CASES =	0





MEAN HS(METERS) BY MONTH AND YEAR WIS STATION 45 (43.61N/ 124.23W TO 43.50N/ 124.26W) MONTH

						MONT	н						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC	
R67890123456789012345 E95556666666666777777 E9699999999999999999	9701640M78M840040M67	HONOROMONINAMANA MINAMANA	มัง46749+จะสอกมากจองอ	ดอบกลดอบกลดองกระทา	MANANAMIA NAMIANANANANANANANANANANANANANANANANANAN	05056798-1824676750575015	65000450070557740065	היויא ביויא ביויא ביויא ביויא בייא בייא ב	689-68888879-4466-19482	いつのののつからいしのつしてものつる	ณามาการแก้งของส่วยการการการการการการการการการการการการการก	047-100000000000000000000000000000000000	Z.6.6088877877576098020011 Examonoxionoxionoxionoxionominoxi E
MEAN	3.8	3.7	3.3	2.8	2.1	1.8	1.7	1.6	1.8	2.9	3.7	4.1	
		WIS S	L			METER .61N/ MONT	124.		H AND			6W)	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 P5555566666666777777 P575797979797979797979	11756540575924614747	57415501725002184157	18786000955747187265	1840111001117-017-109111010	ุ่งเกล้อมอาการของสมายมอนล้องจอ	16100559810504677761	4444150ณณตร์เมณณณณณฑฑฑณ เนาทานายนายนายนายนายนายนายนายนายนายนายนายนาย	48-1847.2044.2094.200.604.2	ผลายายายายายายายายายายายายายายายายายายาย	882-1590-1596787658507	70465454247429254744	5666666666667577666766	
20 YR.			S FOR			TATIO				24.23	н то	43.50	N/ 124.26W)
MEAN SP MEAN SP MEAN F STANDA STANDA STANDA STANDA STANDA MAYE AVERAG DATE	IGNIF EAK WE REQ DE RD DE VASS TO WASS PE DIAR	ICANT AVE P NT 30 VIATI VIATI ECIAT ECIAT ECEST	WAVE ERIOD ON OF ON OF ON OF ED WI N ASS	HEIG GRÉE WAVE WAVE TH'LAT OCIAT CURRE	HT (ČEŇT HS · TP · RĠEŠT RO WI NCE I	ĖR) Ď WÅYĖ TH LA S (YR	IŘEČT HS RGEST ,MO,D	ion B	AŃD 		METER SECONE DEGRE METER SECTER SECONE DEGRE	S) DS) ES) S) DS) DS)	2.8 90.3 2.5 7.2 16.5 188.5 73121318

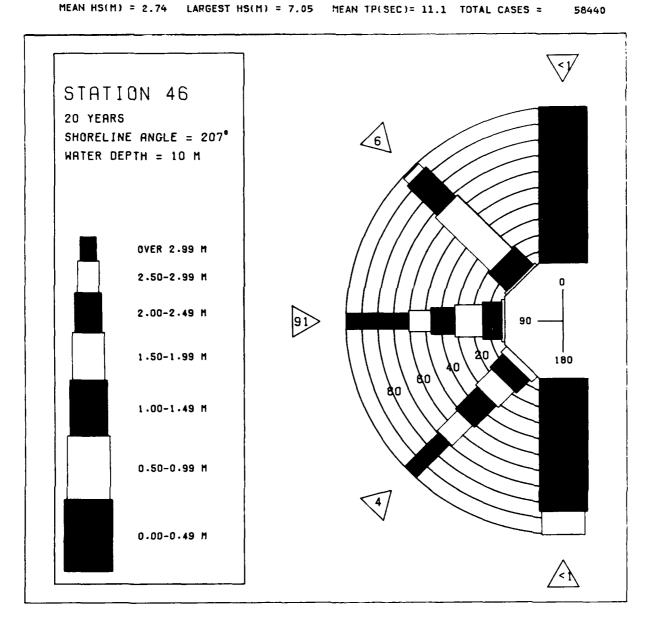
Appendix C: Sta 46 through 72

HEIGHT(HETERS) 4.4 6.1 6.1 6.1 7 10.5 10.5 10.5 10.5 10.7 13.3 15.3 15.4 16.2 2 20.0 GER 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	PHASE HAYE SHORE PERCEI	3 ST APPROÁCH LON STAI LINE ANG HT OCCUR	46 ANGLE RT= 43 LE = 3 RENCE	20 Y (RELA 50N/ 207.0 X1000	EAR WA TIVE T 124.26 (DEG.	VE DIR O SHOP W AZ.) IEIGHT	ECTION ELINE] AT. LO! HATER AND PER	STATI OEG ONE 1 DEPTH B COIS	STICAL REES)= = 43.3 = 10. Y DIRE	SUMMA 0 1N/124 00 ME CTION	RY - 14.9 TERS	
100		4,4-	6.1-	8,1-	9.6 ₌	PERICD 10,6-	(SECOND)§) (3.4-	15,4-	18,2-	22.3- 100055	TOTAL
PHASE 3 ST.C. 46 NGLE; RELATIVE TO SHORELINE IN DEGREE 3 115, 0 - 44.9 PROCEED 1 2 100 PROCESS 1 15, 0 - 44.9 PROCESS 1 100 PROCESS 1 15, 0 - 44.9 PROCESS 1 100 PROCESS 1	99999999999999999999999999999999999999	: : : : :						· · · · · · · · · · · · · · · · · · ·				•
HEIGHT (HETERS) 4.4-6.1-8.1-9.6-11.6-11.6-11.6-11.6-11.6-11.6-11.	MEAN H5(M) = 0.	LARGE	ST HS	.m) =	0.	MEAN	TPUSEC) = 0	. NU	MBER O	F CASES =	: 0
1		3 ST APPROACH LON. STA LINE ANG NT OCCUR	46 ANGLE RT 4 LE 2 RENCE	20 Y RELA 5070 X1000							RY - 44.9 TERS	
1		4.4- 6.0	6.1 ₀	8,1 <u>-</u>	9.6- 10.5	10.6- 11.7	11.8- 1 13.3	15.3 15.3	15.4- 18.1	18.2- 22.2	22 3- LONGER	TOTAL
PHASE 3 ST 46 10 10 10 10 10 10 10 1	99999999999999999999999999999999999999	77 49 : :	•	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	•						822100000000000000000000000000000000000
HEIGHT (METERS) 4.4-6.1-8.1-9.6-10.6-11.3-13.4-15.4-18.2-22.3-10.50 0.50-0.69 10.6-11.3-13.4-15.4-18.2-22.3-10.50 0.50-1.09 10.6-11.3-13.4-15.4-18.2-22.3-10.50 1.00-1.09 10.6-11.3-15.3-15.3-16.1-12.2-2 LONGER 0.50-1.09 10.6-11.3-1 1.3-15.3-15.3-16.1-12.2-2 LONGER 1.00-1.09 10.6-11.3-1 1.3-15.3-15.3-16.1-12.2-2 LONGER 1.00-1.09 10.6-11.3-1 1.3-1		LARGE	ST HS	(M) =	2.35	MEAN	TP(SEC) = 5	.a NU	MBER O	F CASES =	125
HEIGHT (METERS) 4.4-6.1-8.1-9.6-10.6-11.3-13.4-15.4-18.2-22.3-10.50 0.50-0.69 10.6-11.3-13.4-15.4-18.2-22.3-10.50 0.50-1.09 10.6-11.3-13.4-15.4-18.2-22.3-10.50 1.00-1.09 10.6-11.3-15.3-15.3-16.1-12.2-2 LONGER 0.50-1.09 10.6-11.3-1 1.3-15.3-15.3-16.1-12.2-2 LONGER 1.00-1.09 10.6-11.3-1 1.3-15.3-15.3-16.1-12.2-2 LONGER 1.00-1.09 10.6-11.3-1 1.3-1												
0.50 - 0.499	PHASE WAYE LAT SHORE PERCEI	3 ST APPROACH LON. STAI LINE ANG NT OCCUR	46 ANGLE RT= 42 LE = 22 RENCE	20 Y (RELA 5.50N/ 207.0	EAR WATIVE TO 124 26 (DEG.	VE DIR O SHOR W L AZ) HEIGHT	ECTION ELINE I AT. LO? WATER AND PER	STATI IN DEG 1. END DEPTH RIOD B	STICAL REES)= = 43.3 = 10. Y DIRE	SUMMA 45.0 10/124 00 11E CTION	RY 	
PHASE 3 ST. 46 20 YEAR WAVE DIRECTIC: STATISTICAL SUMMARY WAVE APPROACH ANGLE RELATIVE TO SHORELINE IN DEGREES; 770 - 104.9 LAT. LON. START = 43.50N/124.26W ATEP DEPTH = 10.00 METERS PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION HEIGHT(METERS) 6 1 8 1 9 1 9 6 10 6 11.7 13.3 15.3 16.1 122.2 22.3 10.5 11.7 13.3 15.3 16.1 122.2 22.3 10.5 11.7 13.3 15.3 16.1 122.2 22.3 10.5 11.7 13.3 15.3 16.1 122.2 22.3 10.5 11.7 13.3 15.3 16.1 122.2 22.3 10.5 10.5 11.7 13.3 15.3 16.1 122.2 22.3 10.5 10.5 11.7 13.3 15.3 16.1 122.2 22.3 10.5 10.5 11.7 13.3 15.3 16.1 122.2 22.3 10.5 10.5 11.7 13.3 15.3 16.1 122.2 22.3 10.5 10.5 11.7 13.3 15.3 16.1 122.2 22.3 10.5 10.5 11.7 13.3 15.3 16.1 122.2 22.3 10.5 10.5 10.5 11.7 13.3 15.3 16.1 122.2 22.3 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5												TOTAL
HEIGHT(METERS) 4.4-6.1-8.1-9.6-10.6-11.8-13.4-15.4-18.2-22.3- 0.50-0.49 4.4-325-929-196-31.7-13.3-15.3-16.1-22.2-2.00	HEIGHT (METERS)	4.4- 6.0 106 920 2118 1 207 1	6 8 .0 237.64281	8.1-5 3.5 30 322 13								n
0.50 - 0.99	HEIGHT (METERS)	4.4- 6.0 106 220 2118 1 207 1	6 8 0 3 0 3 2 5 4 2 8 3 2 6 3 4 6 1 6 6 9 6	8.1-5 3.0 30 330 13	9.6-5 10.5 i i	PERIOD 10.6- 11.7	(SECONE 11.8- 13.3	15.3	15.4- 18.1 : : : : :	18.2- 22.2 : : :	22 3- LOHSER : : : : : : : : :	102337 10239779 1023877 1033877 1000
0.50 - 0.99	HEIGHT (METERS) 0.499 0.499 0.499 0.500 0.1239 0.499 0.500 0.1239 0.499 0.500 0.1239 0.499 0.500 0.1239 0.500 0.1239 0.500 0.1239 0.500 0.1239 0.500 0.1239 0.500 0.1239 0.500 0.1239 0.500 0.1239 0.500 0.1239 0.500 0.1239 0.500 0.1239 0.500 0.1239 0.500 0.1239	4.4- 6.0 106 920 2119 1 207 1 335i 3 LARGE	6.8.033842816 327542816 9.000000000000000000000000000000000	8 9 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	9.6- 10.5 1 i 3.77	PERIOD 11.7 ô MEAN	CSECONIII	13.4-3 13.5-3 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.	15.4-1 18.1 	18.2-2 22.2 0 0 0 MBER 0 0 SV75.244 NO 1 NO 1	22 3- LONIGER : : : : : : : : : : : : : : : : : : :	1293371 253971 12389749 14000 0
	HEIGHT (METERS) 0 - 0 - 499 1 - 50 - 1 - 299 1 - 50 - 2 - 399 2 - 50 - 2 - 399 3 - 50 - 3 - 499 4 - 50 - 4 - 9 5 - 0 - 1 - 1 - 1 - 85 MEAN HS(M) = 1.85 PHASE WAYE SHORE HEIGHT (METERS)	4.4- 6.0 106 9200 2107 1 207 1 207 1 3351 3 LARGE APPROACHA LON: ANG	6.8.033842816 327542816 9.000000000000000000000000000000000	8 9 3	9.6-5 i i 3.77 EAR E 26 10.5 9.6-5	PERIOD 11.7 ô MEAN VE SHOR! HEIGHT PERIOD 11.67	SECONDIANA O TP(SEC ECTION AND PER AND PER AND PER (SECONDIANA	13.4-3 13.5-3 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.	15.4-1 18.1 	18.2-2 22.2 0 0 0 MBER 0 0 SV75.244 NO 1 NO 1	22 3- LONIGER : : : : : : : : : : : : : : : : : : :	129 1253 32397 1874 993 140 00 0

PHASE THE PHASE TO	S ST. 46 PROACH ANGL DN. START= 4 INE ANGLE = T OCCURRENCE	20 YEAR W E(RELATIVE 3.50N/124.2 207.0 (DEG (X1000) OF					
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6- 9.5 10.5	PERIOD(10.6-1	SECONDS) 1.8- 13.4 13.3 15.	15.4- 18.3 18.1 22	2- 22.3- .2 LONGER	TOTAL
99999999999999999999999999999999999999	34 145 519 41 160 3 138 . 103 . 11 	99 14226184 4456184 208184 1458 1458 1458 1458 1458 1458 1648 1648 1648 1648 1648 1648 1648 164	1540 39208 25587725 111 2411 2411	· 1230600045 11443200045 1200065 1200065 1200065 1200065 1200065 1200065 1200065 1200065 1200065 1200065	: : : : : 29		80522197033 2052197033 111111
MEAN HS(M) = 2.79	LARGEST HS	S(M) = 6.85	MEAN T	'P(SEC) = :	LO.8 NUMBEI	R OF CASES =	6192
PHASE I WAY LAT LAT L SHOREL PERCENT	S ST PROÁCH ÁNGL PROÁCH ÁNGL N. START= 4 INE ANGLE = T OCCURRENCE	20 YEAR W E(RELATIVE 3.50N/124.2 207.0 (DEG (X1000) OF	AVE DIRE TO SHORE 6W LA HEIGHT A	CTION STATELINE IN OF HATER DEPIND PERIOD	FISTICAL SUI EGREES)= 13! O= 43.31N/ H = 10.00 BY DIRECTION	1MARY 5.0 - 164.9 124.38N METERS	
HEIGHT(METERS) 0.4990.1122332500122334499	4.4- 6.1-0 20 329 11 11 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 1- 9 6- 9 5 10 6- 1	PERIOD(10.67.1.7.1.7.1.7.1.7.1.7.1.7.1.7.1.7.1.7.	SECONDS) 13.3 15.3 	3 15.4- 18.1 3 18.1 22	2- 22 3- 2 LONGER : : : : : : : : : : : :	TOTAL 520052100000
MEAN HS(M) = 0.76	LARGEST HS	6(M) = 2.81	MEAN T	P(SEC) =	6.3 NUMBER	R OF CASES =	75
PHASE A WAYE AF LAT A SHORE L PERCENT	S ST. 46 PROÁCH ÁNGL DN. STARTE 4 INE ANGLE = TOCCURRENCE	20 YEAR W E(RELATIVE 3.50N/124.2 2070 UP					
HEIGHT(METERS) 0.499 0.9499 0.500 - 11.2299 1.5500 34.99 2.5500 44.99 4.500 - + 4.99 TOTAL	464- 681-0 5	8,1- 9,6- 9,5 10.5 			3 15.4- 18.: 3 18.1 22: 		50000000000000000000000000000000000000

MEAN HS(M) = 0.22 LARGEST HS(M) = 0.42 MEAN TP(SEC) = 5.1 NUMBER OF CASES = 3

PHASE 3 ST. 466 20 YEAR STATISTICAL SUMMARY FOR ALL DIRECTIONS SHORELINE ANGLE : 207.0 (DEATH OF THE PROPERTY



WIS STATION 46 (43.50N/ 124.26W TO 43.31N/ 124.38W)

МΩ	N	I M	

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	กณะการการสามากการระบาทกา	M907-47M644M8676M609M	ท.ศ.4.4.0.6.พ.ค.ศ.ค.ศ.ค.ศ.ค.ศ.ค.ศ.ค.ศ.ค.ศ.ค.ศ.ค.ศ.ค	9840875ค99งเสกกองเกตาก ขณาทางเงเงเงเงเงเงเงเงเกเกากจะเกง	บรายานายการการการการการการการการการการการการการก	05567081827468705246	76997466978567848265	1-	68916888879150619482	488998554069967489777	17540417688867676686	53-10-15-1975-894-157-6855 54-44-45455-4555-55-55-55-55-55-55-55-55	2.6.6987777777615000000000 ERANANANANANANANANANANANANANANANANANANAN
MEAN	3.7	3.6	3.3	2.8	2.1	1.8	1.7	1.6	1.8	2.8	3.6	4.0	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 46 (43.50N/ 124.26W TO 43.31N/ 124.38W)

MONTH

	JAN	FEB	MAR	APR	MAY	MUL	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	9162M22201644444504717	546665465554566556665	1200400704040005005005	76214394574316972517	14-17-พฤษายายายายายายายายายายายายายายายายายายาย	ง	<u> </u>	41074002m2m94288794m	มหาคณะสายสายสายสายสายสายสายสายสายสายสายสายสายส	87,704,808,405,807,755,981,1	466666666664666666666	56566666566656656766

20 YR. STATISTICS FOR PACIFIC STATION 46 (43.50N/ 124.26W TO 43.31N/ 124.38W)

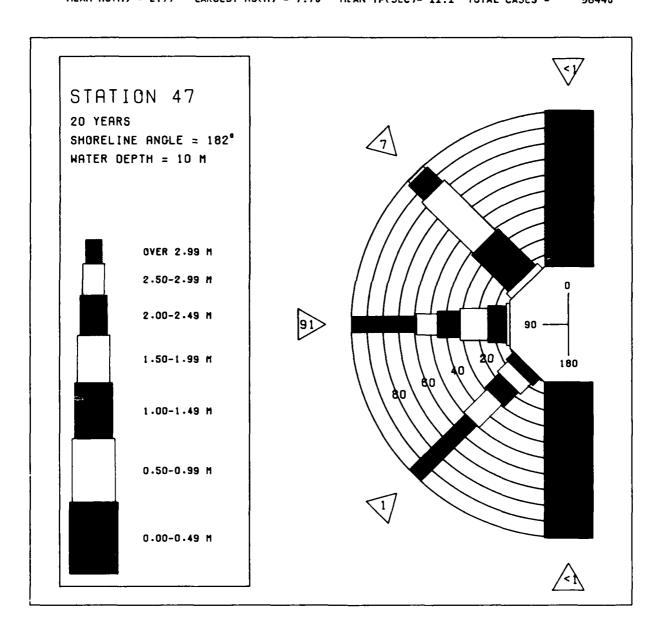
MEAN SIGNIFICANT HAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECONDS)	12:7
MEAN PEAK WAVE PERIOD (SECONDS) MOST FREQUENT 30.0 DEGRÉE (CENTÉR) DIRECTION BAND (DEGRÉES) STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TO (SECONDS)	90.0 1.2 2.6
LARGEST MAYE HS MAYE TO MASSOCIATED WITH LARGEST WAYE HS AYERAGE DIRECTION ASSOCIATED WITH LARGEST WAYE HS (DEGREES)	2.6 7.0 16.7
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	73121321

PHASE HAYE LAT. SHORE	3 ST. 4 APPROACH LON. STAR LINE ANGL NT OCCURR	7 ANGLE(RI 21= 43.3 E= 1.32	YEAR LATIVE	AVE DIR TO SHOR SHOR BH L	ECTION ELINE AT. LOI WATER	STATI IN DEG N. END DEPTH	STICAL REES)= :- 43.2 = 10	SUMMA 0 0N/124 00 ME	RY - 14.9 - 40W TERS	
HEIGHT(METER)										TOTAL
0 0.49	4.4- 6 6.0	ė.0 8,	1- 9:6- 5 10.5	111.7	11.8- 13.3	15.3	15.4- 18.1	18.2- 22.2	22.3- LONGER	0
0.50 - 0.99	:	:	• •	•	•	•	:	:	•	000000000000000000000000000000000000000
1.50 - 1.99 2.00 - 2.49 2.50 - 2.99 3.00 - 3.49	:	:			÷	:	:	:	:	ŏ
3.50 - 3.99 4.00 - 4.49	•	:		:	:	:	:	:	:	0
4.50 - 4.99 5.00 + TOTAL	ò	ò	 	Ò	ò	à	Ö	ô	A	Ĝ
MEAN HS(M) = 0.	LARGES	ST HS(M)	-	•	TP(SEC) = 0	_	_	F CASES =	. 0
PHASE WAYE	3 ST. 4 APPROACH LON. STAR LINE ANGL NT OCCUPE	ANGLE (R	YEAR P	AVE DIR	ECTION	STATE	STICAL REES)=	SUMMA 15.0	ÆΥ 44.9 .40₩	
ŠĤÓŔE PERCE	LINE ANGI	É = TôZ	000) OF	HEIGHT	AND PE	DEPIH	Y DÎRÊ	NO THE	TERS	
HEIGHT(METERS)					(SECON					TOTAL
0 0.49 0.50 - 0.99			.5 10.5 ·	11.7	13.3	15.3	15.4- 18.1	18.2- 22.2	22.3- LONGER	100
001102350445	874 1 550 7	.09 742 109 8		:	:	:	:	:	:	10832 12992 1108 1000 1000
2.00 - 2.49 2.50 - 2.99 3.00 - 3.49	1 1	109		•	:	•	:	•	:	110
3.50 - 3.99 4.00 - 4.49	:	:		÷	:	:	:	:	:	ŏ
1	1525 9	976 (· ·	ò	Ö	Ö	Ò	ā	Ö	Ö
MEAN HS(M) = 1.54		ST HS(M)	= 2.72	MEAN	TP(SEC) = 5	.8 NU	MBER O	F CASES =	1465
	3 ST. APPROACH LON. STAR LINE ANGL NT OCCURR						STICAL REES)= = 43.2 = 10.2 y dire	SUMMA 45.0 0N/124 00 NE CTION	RY 74.9 40W TERS	
HEIGHT(METERS)				DEDION						TOTAL
HEIGHT(METERS)	4.4- 6			DEDION	(SECONI 113.3 6				RY 74.9 †ERS 22.3- LONGER	_
HEIGHT(METERS)	4.4- 6			DEDION	(SECONI 113.3	05) 13.4- 15.3	15.4- 18.1			_
HEIGHT(METERS) 0.99 0.50 - 0.499 1.500 - 1.999 1.500 - 2.999 2.500 - 2.999	4.4- 6			DEDION	(SECONI 113.3	05) 13.4- 15.3	15.4- 18.1			_
HEIGHT (METERS) - 0.49 0.500 - 1.49 2.050 - 2.49 2.050 - 3.49 3.500 - 3.49 3.500 - 3.49	4.4- 6	8.0 8.		DEDION	(SECONI 113.3 6	05) 13.4- 15.3	15.4- 18.1			943-651-6900 29-15004 73-22-31 35-1
HEIGHT (METERS) 0.9499 0.94999 0.1050000000000000000000000000000000000	4.4.0 6.1 9.9 5.9 5.9 5.9 6.9 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0		5 1 2 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	DEDION	(SECONI 113.3	05) 13.4- 15.3	15.4- 18.1			
HEIGHT (METERS)	4.40 6 610 22 906 14 2.9 1	8.0 9 8.0 9 8.7 29 8.32 127 7.00 78 9.12 24 1.57 7 1.3 6 1.3 2	1-5 10 25021313 · · · · · · · · · · · · · · · · · ·	PER 100 10.6.7 44 20 115 115 104	SECONI 113.661 535	15.3 15.3 3	15.4- 18.1 : : :	18.2- 22.2	22.3- LONGER : : : :	943-651499000 293-1500-4 73-21-300-4 73-21-300-4
HEIGHT (METERS) 0.499 0.0999 1.500 - 12.9499 22.500 - 3.499 22.500 - 3.499 24.500 - 44.99 5.00 + 44.99 5.00	4.40 6 610 22 906 14 2.9 1	8.0 9 9.7 29 13.2 12.7 15.7 7 15.7 7 13. 2 15.7 7 13. 2 15.7 7 17. 275	90 250651313 · · · · 4 91 250651313 · · · · 4 51 250651313 · · · · 4 51 250651313 · · · · 4 51 250651313 · · · · 4	PER 10- 11.7 4401 153 104 MEAN AVE DIR 8W AZ. HEIGHT	SECONI 113.3 661 535 25 46 TP(SEC	05) 135.3 3 3 3 7 STATICENTERNITE OF ENTIFICIENT BETTERNITE OF ENTIFICE OF ENTIFICIENT BETTERNITE OF ENTIFICIENT BETTERNITE OF ENTIFICE OF ENTIFICIENT BETTERNITE OF ENTIFICIENT BETTERNITE OF ENTIFICE OF	15.4- 18.1	18.2- 22.2	22.3- LONGER : : : : : : : o	943-651-69 209-15-00 33-2-23-10-4 00 53-04
HEIGHT (METERS) 0 - 0 . 499 1 . 500 - 1 . 2499 1 . 500 - 1 . 2499 2 . 500 - 3 . 499 2 . 500 - 4 . 999 4 . 500 - 4 . 999 5 . 0 TOTAL MEAN HS(M) = 1.62 PHASE WAYE . SHOPE SHOPE HEIGHT (METERS)	4.4-0 6.10 9.9 2.9 9.06 1.4 2.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	8 1- 8 9 12 12 12 12 12 12 12 12 12 12 12 12 12	90 250651 250651 21651 3 . 96 4 121651 5 . 96 4 121651 1	PER 10- 11.7 4401 153 104 MEAN AVE DIR 8W AZ. HEIGHT	SECONI 113.3 661 535 25 46 TP(SEC	05) 135.3 3 3 3 7 STATICENTERNITE OF ENTIFICIENT BETTERNITE OF ENTIFICE OF ENTIFICIENT BETTERNITE OF ENTIFICIENT BETTERNITE OF ENTIFICE OF ENTIFICIENT BETTERNITE OF ENTIFICIENT BETTERNITE OF ENTIFICE OF	15.4-1 18.1 0 NU 	18.2- 22.2 	22.3- LONGER : : : : : : : : : : : : : : : : : : :	7243 7243 7243 7321 7321 7321 7321 7321 7321 7321 732
HEIGHT (METERS) 0 - 0 - 499 1 - 0 - 499 1 - 0 - 1 - 499 2 - 0 - 1 - 499 2 - 0 - 1 - 499 3 - 0 - 1 - 499 4 - 99 4 - 99 5 - 1 - 1 - 499 5 - 1 - 1 - 499 5 - 1 - 1 - 499 5 - 1 - 1 - 499 FOR ALL MEAN HS(M) = 1.62 PHASE LAT. PHASE LAT. PHASE LAT. PHASE LAT. PHASE LAT. PHASE LAT. HEIGHT (METERS)	4.4-0 6 6-6 1 9-9 2 5-63 12 5-63 12 5-63 12 6-6 1 1618 40 LARGES 1618 40 LARGES 1618 40 LARGES	8.0 9.7 29.7 1.7 2.75. 1.7	1-5 0 2506513 · · · · · · · · · · · · · · · · · · ·	PER 100 11:-4 440 1153 104 MEAN AVE SHORL HEIRIGO 11:-7	SECONI 113.661 5.561 255 46 SEC TP(SECONI 113.3	05) 135.3 3 3 115.3 3 7 10 ENTH 11 ENTH 11 ENTH 11 ENTH 11 ENTH 11 ENTH 11 ENTH 11 ENTH 11 ENTH 11 ENTH 12 ENTH 13 ENTH 13 ENTH 14 ENTH 15 ENTH 16 ENT	15.4-1 18.1 	18.2-2 22.2 	22.3- LONGER : : : : : : : o	7243 7243 7243 7321 7321 7321 7321 7321 7321 7321 732
HEIGHT (METERS) 0 - 0 - 499 1 - 0 - 499 1 - 0 - 1 - 499 2 - 0 - 1 - 499 2 - 0 - 1 - 499 3 - 0 - 1 - 499 4 - 99 4 - 99 5 - 1 - 1 - 499 5 - 1 - 1 - 499 5 - 1 - 1 - 499 5 - 1 - 1 - 499 FOR ALL MEAN HS(M) = 1.62 PHASE LAT. PHASE LAT. PHASE LAT. PHASE LAT. PHASE LAT. PHASE LAT. HEIGHT (METERS)	4.4-0 6 6-6 1 9-9 2 5-63 12 5-63 12 5-63 12 6-6 1 1618 40 LARGES 1618 40 LARGES 1618 40 LARGES	8.0 9.7 29.7 1.7 2.75. 1.7	1-5 0 2506513 · · · · · · · · · · · · · · · · · · ·	PER 100 11:-4 440 1153 104 MEAN AVE SHORL HEIRIGO 11:-7	SECONI 113.661 5.561 255 46 SEC TP(SECONI 113.3	05) 135.3 3 3 115.3 3 7 10 ENTH 11 ENTH 11 ENTH 11 ENTH 11 ENTH 11 ENTH 11 ENTH 11 ENTH 11 ENTH 11 ENTH 12 ENTH 13 ENTH 13 ENTH 14 ENTH 15 ENTH 16 ENT	15.4-1 18.1 	18.2-2 2.2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.3- LONGER : : : : : : : : : : : : : : : : : : :	7243 7243 7243 7321 7321 7321 7321 7321 7321 7321 732
HEIGHT (METERS) 0 - 0 - 499 1 - 0 - 499 1 - 0 - 1 - 499 2 - 0 - 1 - 499 2 - 0 - 1 - 499 3 - 0 - 1 - 499 4 - 99 4 - 99 5 - 1 - 1 - 499 5 - 1 - 1 - 499 5 - 1 - 1 - 499 5 - 1 - 1 - 499 FOR ALL MEAN HS(M) = 1.62 PHASE LAT. PHASE LAT. PHASE LAT. PHASE LAT. PHASE LAT. PHASE LAT. HEIGHT (METERS)	4.4-0 6 6-6 1 9-9 2 5-63 12 5-63 12 5-63 12 6-6 1 1618 40 LARGES 1618 40 LARGES 1618 40 LARGES	8.0 9.7 29.7 1.7 2.75. 1.7	1-5 0 2506513 · · · · · · · · · · · · · · · · · · ·	PER 100 11:-4 440 1153 104 MEAN AVE SHORL HEIRIGO 11:-7	SECONI 113.661 5.561 255 46 SEC TP(SECONI 113.3	05) 135.3 3 3 115.3 3 7 10 ENTH 11 ENTH 11 ENTH 11 ENTH 11 ENTH 11 ENTH 11 ENTH 11 ENTH 11 ENTH 11 ENTH 12 ENTH 13 ENTH 13 ENTH 14 ENTH 15 ENTH 16 ENT	15.4-1 18.1 	18.2-2 	22.3- LONGER : : : : : : : : : : : : : : : : : : :	7243 7243 7243 7321 7321 7321 7321 7321 7321 7321 732
HEIGHT (METERS) 0.499 0.09499 1.000 - 1.9499 1.500 - 2.9499 2.500 - 2.9499 2.500 - 2.9499 4.500 - 4.499 5.00 + 4.99 5.00 + 4.99 5.00 + 4.99 6.00 + 4.	4.4-0 6 6-6 1 9-9 2 5-63 12 5-63 12 5-63 12 6-6 1 1618 40 LARGES 1618 40 LARGES 1618 40 LARGES	8 1- 8 9 12 12 12 12 12 12 12 12 12 12 12 12 12	1-5 0 2506513 · · · · · · · · · · · · · · · · · · ·	PER 100 11:-4 440 1153 104 MEAN AVE SHORL HEIRIGO 11:-7	SECONI 113.661 5.561 255 46 SEC TP(SECONI 113.3	05) 135.43 3 3 3 3 3 3 3 1 = 7 5TATIG DEPTH PLOEPTH PL	15.4-1 18.1 0 NU 	18.2-2 2.2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.3- LONGER : : : : : : : : : : : : : : : : : : :	943-651-69 209-15-00 33-2-23-10-4 00 53-04

MEAN HS(M) = 2.91 LARGEST HS(M) = 7.70 MEAN TP(SEC) = 11.7 NUMBER OF CASES = 49910

PHASE WAVE LAT L SHOREL PERCEN HEIGHT(METERS)	3 ST PPROAC CN. ST INE AN I OCCU	47 H ANGLE ART = 4 GLE = RRENCE	20 Y E(RELA 3.31N/ 182.0 (X1000			ECTION ELINE 1 AT. LO: WATER AND PER		STICAL REES)= 43.2 = 10.	SUMMAI 105.0 0H/124 00 ME CTION	RY - 134.9 .40W TERS	TOTAL
	4.4- 6.0	6.1- 8.0	8,1 ₅	9.6 10.5	10,6-	(SECONO 11.3.3	13.4 _{7.} 1	15.4- 18.1	18,2-	22.3- LONGER	TOTAL
- 0.499 - 0.4999 - 0.110000000000000000000000000000000000	1 <u>i</u> 2 <u>5</u> 2 i	28958503	1419252071	3733248519 11722 52	1133334544 1133334544 1133334544	22 56 118 121	3			:	062718835574 447888517919 1224444321
4.00 - 4.49 4.50 - 4.99	:	:		78 25	154 95	121 66 102 491	25 30	ż	:	•	395 217 194
	42	35 8	67 5					<u>3</u>	Ċ	Ō	
MEAN HS(M) = 3.27	LARG	EST HS	(M) =	7.52	MEAN	TP(SEC) = 10.	.2 NU	MBER O	F CASES =	1752
PHASE WAVE A LATOR SHOREN FERCEN	3 ST PPROAC ON. ST INC AN IT OCCU	47 H ANGLI ART = 4 GLE = RRENCE	20 Y E(RELA 3.31N/ 182.0 (X1000					STICAL REES)= = 43.2 = 10 C DIRE	SUMMAI 135.0 0N/124 00 ME CTION	RY - 164.9 - 40W TERS	
HEIGHT(METERS)	4,4-	6,1- 8.0	8,1-	9.6- 10.5	PERIOD 10,6-	(SECOND 11.8-)§) L3.4- 1	15.4- 18.1	18,2- 3	22.3 LONGER	TOTAL
0 0.49	6 į 0	8.0 3	9.5	•	11.7	13.3	15.3	18.1	22.2	LONGER	1
99999999999999999999999999999999999999	i	3 1	:	:	:	:	•	:	:	•	14141000000
2.00 - 2.49 2.50 - 2.99	:	ī	:	:	•	:	•		:	:	Ď
3.00 - 3.49 3.50 - 3.99 4.50 - 4.49 4.50 + 4.99 5.00 +	:	:	:	:	:	:	:	:	:	:	ŏ
4.50 - 4.99	:	:	:	:	:	:	:	:	:	•	ŏ
TOTAL	4	7	Ó	Ò	Ó	Ó	Ó	Ó	Ó	Ó	·
MEAN HS(M) = 1.24	LARG	EST HS	(M) =	2.18	MEAN	TP(SEC) = 5.	.9 NU	MBER OI	F CASES =	9
	3 ST PPROÁC ON. ST INE AN I OCCU	47 H ANGL ART= 4 GLE = RPENCE	20 Y E(RELA 3.31W 182.0 (X1000					TICAL REES)= 43,2 = 10 COIRE	SUMMAI 165.0 0N/124 00 ME CTION	RY - 180.0 40W TERS	
HEIGHT(METERS)	4.4- 6.0	6.1- 8.0	8,1- 9.5	9.6. 10.5	10,6-	(SECOND 11.8- 1	13.4- 1 15.3-	5.4- 18.1	18.2- 2	22.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 0.99	:	:	:	:		:	:	:	:	·	0
0.56 - 0.59 1.00 - 1.49 1.50 - 1.99	•	:	:	:	:	:	•	•	:	•	0 Q
99999999999999999999999999999999999999	:	:	:	:	:	:	:	:	:	:	0000000000
3.50 - 3.99 4.00 - 4.49	:	:	:	:	:	:	•	•	•	•	ŏ
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99 5.00 +	:	•	:	:	•	:	:	•	•	:	ŏ
TOTAL	Ò	Ô	Ò	ò	Ò	Ò	Ô	Ò	Ó	Ō	•

MEAN HS(M) = 0. LARGEST HS(M) = 0. MEAN TP(SEC) = 0. NUMBER OF CASES = 0



WIS STATION 47 (43.31N/ 124.38W TO 43.20N/ 124.40W)

						110111	п						
	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC	
R67899123456789912345 E999999999999999999999999999999999999	67-10752379-6857-15258-6	40582941424907767405	มมมองมาจะสอดกอง 6889999 การการแกรมการแกรมการการการการการการการการการการการการการก	8850874M80744MM74M94M	52201178905565022462 2322011789055650222462	055670708-17468602215	65006455960556750265	54666172776355676064	69915780869150508381	48799876506090747977	175404017597876877017	64442641961064479055 54444544744445545555	N.660887777777560980205

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 47 (43.31N/ 124.38W TO 43.20N/ 124.40W)

MONTH

MEAN 3.9 3.8 3.3 2.8 2.1 1.8 1.6 1.5 1.8 2.8 3.7 4.1

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NO	DEC
45556646666646666666666666666666666666	56666566566757654

20 YR. STATISTICS FOR PACIFIC STATION 47 (43.31N/ 124.38W TO 43.20N/ 124.40W)

MEAN SIGNIFICANT WAYE HEIGHT (METERS)	2.8
MEAN PEAK WAVE PERIOD (SECONDS) MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	₹ 1 6
STANDARD DEVIATION OF WAVE HS (METERS)	1.3
LARGEST WAVE HS (METERS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS)	2.5 7.7 14.3
AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	95.5
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	6912ไถ้เรี

PHASE WAYE LAT. Shore Perce	3 ST. 48 APPROACH ANGI LON. START= 4 LINE ANGLE = NT OCCURRENCE	20 YEAR W LE(RELATIVE 43.20N/124.4 190.0 (NEG E(X1000) OF	AVE DIRECTION TO SHORELINE OW LAT. (. AZ.) WATER HEIGHT AND PI	STATISTICA IN DEGREES) N. END= 43. P. DEPTH = 10 ERIOD BY DIR	L SUMMARY 0 - 14. 08N/124.45W .00 METERS ECTION	. 9
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8,1- 9,6- 9.5 10.5			18.2- 22.3- 22.2 LONGER	TOTAL
0.5000 + 4 0.5000 + 4 0.5000 + 4 0.5000 + 4 0.5000 + 4 0.5000 + 4	6.0 8.0	9.5 10.5	11.7 13.3	15.3 18.1	22.2 LONGER	000000000000000000000000000000000000000
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	 å å		 0 0	i i	i i	Ŏ O
MEAN HS(M) = 0.	LARGEST HS	•	MEAN TPESE	•	UMBER OF CASES	s = 0
PHASE WAVE LAT SHORE PERCE HEIGHT(METERS)	3 ST. 48 APPROACH ANGI LON. STARIE LINE ANGLE = NT OCCURRENCE		PERTODUSECON			TOTAL
0 0.49	4.4- 6.1- 6.0 8.0	8.1- 9.6- 9.5 10.5	111.7 113.3	135.3 18.1	18.2- 22.3- 22.2 LONGER	
0	566 53 431 395 1 99					4196050000 6820 1000500000000000000000000000000000000
3.50 - 3.79 4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	 1042 552	 Ö Ö	 Ö Ö	 Ö Ö	 Ö Ö	8
MEAN H3(M) = 1.56	LARGEST HS	S(M) = 2.86	MEAN TP(SEC	C) = 5.7 N	UMBER OF CASES	5 = 933
	E 3 ST. 48 APPROACH ANGL LCH. STARTE 4 LINE ANGLE = NT OCCURRENCE	20 YEAR W E(RELATIVE 3.20N/124.4 190.0 (DEG E(X1000) OF				
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8,1- 9,6- 9.5 10.5	10.6- 11.8- 11.7 13.3	13.4- 15.4- 15.3 18.1	18.2- 22.3- 22.2 LONGER	TOTAL
99999999999999999999999999999999999999		54 5 350 66		i :	: :	U
99999999999999999999999999999999999999	106 114 761 1563 145 1237 210 22 22 2 2374 4023	54 350 104 61 51 3 41 13 	20 · · · · · · · · · · · · · · · · · · ·	: : : : : : : : i ò	: : : : : : : : : : . :	200994333000 20099661 200900
2.50 - 2.99 3.50 - 3.99 3.50 - 3.99 4.50 - 4.49 5.00 + 4.99 5.00 + 4.99 MEAN HS(M) = 1.72	: 210 : : : : : :	: : 674 84		- •	Ö Ö UMBER OF CASES	
TOTAL MEAN HS(M) = 1.72 PHASE MAYE LATE SHORE PERCE	: 22 : : : : 2374 4023 : LARGEST 45	: : 674 84 6(M) = 3.72 20 YEAR W ECRELATIVE 43 20N/124 190.0 (0.64 6(X1000) OF	AVE DIRECTION TO SHOPE LINE TO SHOPE LINE TO SHOPE LINE TO AZ) HEIGHT AND FE	STATISTICA IN DEGREES) IN DEGREES) IN DEGREES) IN DEGREES) IN DEGREES) IN DEGREES)	UMBER OF CASES L SUNMARY = 75.0 - 104. 08N/124.45R 600 METERS ECTION	9
TOTAL MEAN HS(M) = 1.72 PHASE MAYE LAT SHORE PERCE HEIGHT(METERS)	2374 4023 LARGEST HS APPROACH ANGLE = LINE ANGLE = NT OCCURRENCE	: : 674 84 6(M) = 3.72 20 YEAR W. 13.20 YEAR W.	AVE DIRECTION TO SHORE INE TO SHORE INE TO SHORE INE TO SHORE INE TO SHORE	STATISTICA IN DEGREES) IN DEGREES) IN EFIDH = 13.0 ERICO BY DIR (05)	UMBER OF CASES L SUNMARY = 75.0 - 104. 08N/124.45R 600 METERS ECTION	9 TOTAL
TOTAL MEAN HS(M) = 1.72 PHASE MAYE LATE SHORE PERCE	2174 4023 2374 4023 2 LARGEST 48 LARGEST 48 APPROACH ANGLE = 4 LON. START = 4 LINE ANGLE = 4 LINE ANGLE = 4 10 342 568 945 10 254 1142 125 170 2302 1	: : 674 84 6(M) = 3.72 20 YEAR W. 13.20 YEAR W.	AVE DIRECTION TO SHORELINE OW LAT LO HEIGHT AND FER PERIOD(SECON 10167 11287	STATISTICA) IN DEGREE 31. IN DEPLIE = 0.10. IN D	UMBER OF CASES L SUNMARY = 75.0 - 104. 08N/124.45R 600 METERS ECTION	9 TOTAL 5265340777232 121661222 12662422

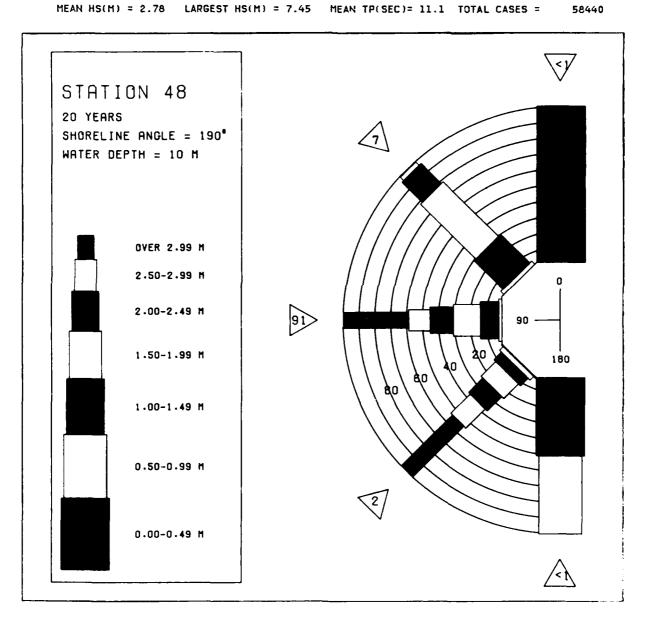
PHASE WAVE ALL LATER LAT	3 ST 48 PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIVE 43.20N/124. 190.0 (DE E(X1000) OF	HAVE DIR TO SHOR 40W L G. AZ.) HEIGHT	ECTION ELINE I AT LON HATER AND PER	STATISTIC N DEGREES DEPTH = 1 IOD BY DI	AL SUMMA)= 105.0 .08N/124 0.00 ME RECTION	RY - 134.9 145W TERS	
HEIGHT(METERS)	4,45 6,15	8,1- 9.6 9.5 10.	PERIOD 5 11.7	(SECOND 11.8- 1 13.3	S) 3.4- 15.4 15.3 18.	ī 18;2-	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	11 73 29 1177 . 680 . 10 . 11 	15 123 148 176 176 176 176 20 20 20 20 20 20 20 20 20 20 20 20 20			244542	: : : : :		9564187620 9564187620 945669422
MEAN HS(M) = 3.08	LARGEST H	S(M) = 7.23	MEAN	TP(SEC)	= 10.3	NUMBER C	F CASES =	2450
PHASE WAYE A LAT SHOPE PERCEN	3 ST 48 PPROÀCH ANG ON. START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIVE 43.20N/124. 190.0 (DE E(X1000) OF					RY - 164.9 145W TERS	
HEIGHT(METERS)	4640 6210	8 j. 5 9 j. 6	PERIOD - 10.6- 5 11.7	(SECOND 11.8-1	S) 3.4- 15.4 15.3 18.	- 18.2- 1 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	464- 631-0 36 22 1 1 1 	ò ò	Ö					1182000000000
MEAN HS(M) = 0.69	LARGEST H	S(M) = 1.49	MEAN	TP(SEC)	= 6.2	NUMBER 0	F CASES =	26
PHASE ALAYE ALAYELE LAYELE PERCEN	3 ST. 48 PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	LE(RELATIVE 43.20N/124. 190.0 (0.6 E(X1000) OF	HAVE DIR TO SHOR 40W L G AZ.) HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATISTIC N DEGREES END= 43 DEPTH = 1 LOD BY DI	AL SUMMA)= 165.0 .080/124 0.00 ME RECTION	RY - 180.0 145W TERS	
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8,1- 9,6 9.5 10.	PERIOD 5 10.6-7	(SECOND 113.3	§) 3.4- 15.4 15.3 18.	- 18.2- 1 22.2	22.3- LONGER	TOTAL
0.4999999999999999999999999999999999999		ò						0000000000
MEAN HS(M) = 0.	LARGEST H	S(M) = Q.	MEAN	TP(SEC)	= 0.	NUMBER O	F CASES =	0

PHASE 3 ST. 488 20 YEAR STATISTICAL SUMMARY FOR ALL DIRECTIONS LAT. LON. END = 43.08N/124.45M SHORELINE ANGLE = 190.0 (BG AZ) WATER DEPTH = 10.00 METERS PERCENT OCCURRENCE(X100) OF HEIGHT AND PERIOD FOR ALL DIRECTIONS

HEIGHT(METERS)

4.4-6.1-8.1-9.6-10.6-11.8-13.4-15.4-18.2-22.36.0 8.0 9.5 10.5 11.7 13.3 15.3 18.1 22.2 LONGER

0.50-0.49 20 499 253 105 20 2 1 207 1245
1.50-1.99 194 262 515 479 333 142 7 2 1 1247
1.50-1.99 10 166 166 390 457 253 499 2 11.250 1247
2.00-2.49 10 166 166 390 457 253 499 2 11.250 1247
2.50-2.99 10 166 166 390 457 253 499 2 11.276
3.50-3.99 10 166 166 390 457 253 499 2 11.276
3.50-3.99 10 166 166 390 457 253 499 2 11.276
3.50-3.99 10 156 166 390 457 258 275 20 1 12.276
3.50-3.99 10 156 166 390 457 268 270 19 19 12.276
3.50-3.99 10 156 166 390 457 268 275 20 1 12.276
4.00-4.49 1 5 5 15 47 298 275 20 1 640
4.00-4.49 1 5 5 15 47 298 275 20 1 644
5.00 + 4.99 1 5 5 15 47 298 275 20 1 644
5.00 + 4.99 1 5 5 15 47 298 275 20 1 644
5.00 + 4.99 1 5 5 15 47 298 275 20 1 644
5.00 + 4.99 1 5 5 15 47 298 275 20 1 644
5.00 + 4.99 1 5 5 15 47 298 275 20 1 644
5.00 + 4.99 1 5 5 15 47 298 275 20 1 644
5.00 + 4.99 1 5 5 15 47 298 275 20 1 644
5.00 + 4.99 1 5 5 15 47 298 275 20 1 644
5.00 + 4.99 1 5 5 15 47 298 275 20 1 644
5.00 + 4.99 1 5 5 15 47 298 275 20 1 644



WIS STATION 48 (43.20N/ 124.40W TO 43.08N/ 124.45W)

						MONT	Н						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R551556666666666777777 E999999999999999	היחסרילמיהסיהיילססילמיהיים	9000094040997767104	กการของครายที่	งอเกอจานหายงงงงงงางหายงงงาง จะการจะจะจะจะจะจะจะจะจะจะจะจะจะจะจะจะจะจะจะ	รณณอนุปาว9914เกิดพิติพิติพัฒนา ณณณณณาปากณาปากณณณณณณ	0556708-400746870500015	65986456978556840055	54667217285775151676464	1112141121112421212421	48890856506091745977	20540527759077607727	64312630860053478954	2.0608877778775,609.80205 Econociculos constantes en esta en e
MEAN	3.8	3.7	3.4	2.8	2.1	1.8	1.7	1.6	1.8	2.8	3.7	4.1	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 48 (43.20N/ 124.40W TO 43.08N/ 124.45W)

HTHOM

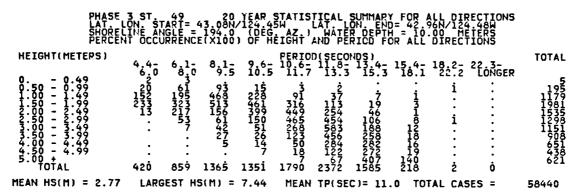
	JAH	FEB	MAR	APR	MAY	HUL	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 R558556666666666777779 E999999999999999999	44666656656554666666666666666666666666	กรอดองรายการอาการอาการอาการอาการอาการอาการอากา	468966978467441777866	6849448547445546468	95-1975/mmmmmmmmmmmmmmm	ช.ช.ช.ช.ช.ช.ช.ช.ช.ช.ช.ช.ช.ช.ช.ช.ช.ช.ช.	<u> </u>	40974801300041776930	44617134927790710747	762148097078862477710	70274251228279151644	54524016832154788171

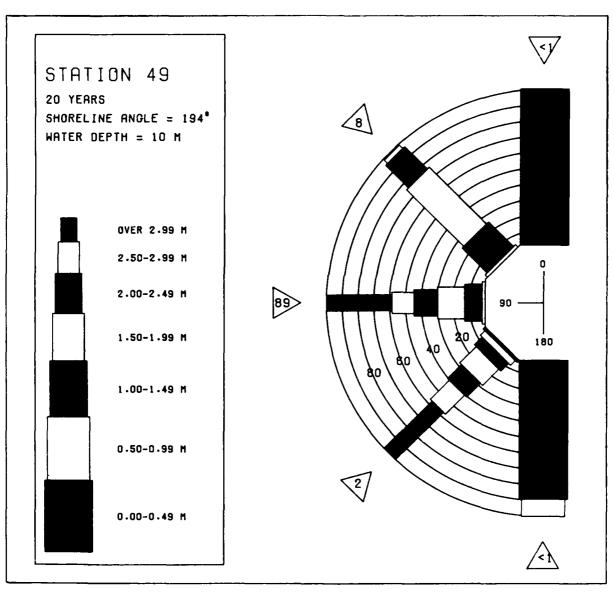
20 YR. STATISTICS FOR PACIFIC STATION 48 (43.20N/ 124.40W TO 43.08N/ 124.45W)

MEAN SIGNIFICANT WAVE HEIGHT	.2.8
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	٩٥٠ ٥
	2:3
STANDARD DEVIATION OF WAVE TP	14:3
ÁVÉRAGE DÍRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	69121115

HEIGHT (HETERS) 6	HAZE WAYE SHOPE PERCE	3 ST 49 APPROÁCH ÁI LON. START: LINE ANGLE NT OCCURREI	20 Y! *GLE(RELATE *43.08N/1 = 194.0 *ICE(X1000	AR WAVE IVE TO 124.45W (DEG. A) OF HEI	DIRECTION SHORELINE LAT LO Z.) WATER GHT AND PE	STATIST IN DEGRE N. END= DEPTH = RIOD BY	ICAL SUMM ES)= 0 42.96N/12 10.00 M DIRECTION	ARY 4.48W ETERS	
1									TOTAL
PHASE APPROACH ANGLE (RELITIVE NO SHORELINE NI DEGREES)	3.50 - 3.79 4.50 - 4.49 4.50 - 4.99 5.00 +	6				: : : : : : :	: : : : : : : : : : ò ò	: : : : : : :	•
Neight (Meters)	MEAN MS(M) - 0.03	LARGEST	n3(H) - (7.U5 N	EAN IPLIEC) - 5.5	NUMBER	UP CASES =	• •
1		3 ST.49 APPROACH AI LON. ANGLE LINE ANGLE NT OCCURREI	20 YI YGLE(RELA) = 43.08N/ = 194.0 YCE(X1000						TOTAL
0 - 0 - 9 - 9 - 5 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2			l- 8,1- 0 9.5	9.6- 10 10.5 1	i.7 13.3	13,4- 15 15.3 1	ė.1 18.2- ė.1 22.2	22.3- LÖNGER	O
PHASE 3 ST	9011203349 9011203349 9011203349 9011203349 9011203349 9011203349 901120350	501 420				•		:	34855000000 3120 691
Pi ASE				0 2.49 M	•	•	•	0 OF CASES =	985
HEIGHT (METERS) 4 4-6 6 1-8 9 1-5 10 5-10 16-7 13 3-13 4-15 4-18 2-22 3-7 10 15 10 5-10 16-7 13 3-13 4-15 4-18 2-22 3-7 10 15 10 5-10 16-7 13 3-13 4-15 4-18 2-22 3-7 10 15 10 1-14 15 10									
0.50 - 0.499	PI ASE VAVE LATE SHORE FERCE!	3 ST 49 APPROÁCH ÁI LON. START: LINE ANGLE NT OCCURREI	20 YI NGLE(RELAT = 43.08N/I = 194.0 NCE(X1000	EAR WAVE TIVE TO 124.45W (DEG. A) OF HEI	DIRECTION SHORELINE LAT LO Z.) WATER GHT AND PE	STATIST IN DEGRE N. END= DEPTH = RIOD BY	ICAL SUMM ES)= 45 42.96N/12 10.00 M DIRECTION	ARY 0 - 74.9 4.484 ETERS	
PHASE 3 5 1 49 20 YEAR MAVE HIRECTION STATISTICAL SUMMARY WAVE APPROACH ANGLE SELATIVE TO SHORELINE IN DEGREES) = 70 104.9 LAT. LOND STURT = 43.08N/124.45M LAT. LOND ERDE = 42.96N/124.45M SHORELINE ANGLE = 194.0 (DEG. AZ.) WATER DEPTH = 10.00 METERS PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION HEIGHT(METERS) 6.0 8:0 9:5 10:5 11:7 13:3 15:3 18:1 22:2 20:0 GER 6.0 8:0 9:5 10:5 11:7 13:3 15:3 18:1 22:2 LONGER 0.5 0 0 99 25 385 2436 22:2 934 36:9 75 15 15 15 15 15 15 15 15 15 15 15 15 15									TOTAL
HEIGHT(METERS) 4.4-6.1-8.1-9.6-10.6-11.8-13.4-15.4-18.2-22.3- 0.50-0.49 25 385 881 150 31.5 3 15.3 16.1 22.2 LONGER 0.50-1.49 63 982 4346 2227 913 369 75 17 5 17 5 18979 1.50-1.99 92 662 4787 4469 3112 1125 196 30 1 12744 2.50-2.99 2.531 1302 3788 4322 2500 460 18 1 12744 2.50-3.99 2	HEIGHT (METERS) 0.499	4.4- 6. 121 11 896 77 1707 199 107 162 . 31	8 9 1 5 2 9 8 8 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9	9.6- 10 10.5 1 15 3 3					26801 18839 1877 31820
	HEIGHT (METERS) - 499 - 499 - 112-949 - 123-949 - 123-949 - 123-949 - 123-949 - 123-949 - 123-949 - 123-949 - 123-949 - 123-99 -	4,4- 6 8 12i 11 896 177 1707 199 107 162 2431 479	8 9 1 5 29 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9.6-5 PE 10 11 15 3 3	RIOD(SECON 6.7 13.3 3	05) 15.3 1 15.3 1 	8.1 22.2 	22.3- LÖNGER 	0701:1040000 6850:182 28775 1811
	HEIGHT (METERS) 0 - 0 - 499 1 - 0 - 999 1 - 0 - 1 - 999 1 - 0 - 1 - 999 2 - 1 - 999 2 - 1 - 999 3 - 500 - 3 - 999 4 - 99 5 - 0 - 1 - 449 5 - 0 - 1 - 449 TOTAL MEAN HS(M) = 1.77 PHASE WAYE LAT. PHASE WAYE LAT. PHASE PERCE	4,4- 6.0 8 121 114 1707 199 107 199 199 199 199 199 199 199 199 199 19	1- 8 - 1- 5 1- 8	9.6-5 1 15 1 15 3 3 3 3 3 3 3 22 8 M	RIOD(SECON 6.7 13.3 3.3 3.0 EAN TP(SEC SHORETINEO SHORETINEO SHORETINEO SHORETINEO SHORETINEO SHORETINEO SHORETINEO SHORETINEO SHORETINEO SHORETINEO SHORETINEO SHORETINEO SHORETINEO SHORETINEO SHORETINEO SHORETINEO SHORETINEO	D\$14-15 15:3 15:3 15:3 15:3 15:3 0 0 0 0 15:3 15:3 15:3 15:3 15:3 15:3 15:3 15:3	4- 18.2- 8-1 22.2 1 22.	22.3- LONGER 	26857:-040000 26857:-040000 187:-3
	HEIGHT(METERS) 0 - 0 .499 0 - 0 .2499 1 .500 - 1 .949 2 .500 - 2 .949 2 .500 - 3 .499 2 .500 - 3 .499 4 .500 + 4 .99 5 .00 + 4 .99 5 .00 + A .499 EAN HS(M) = 1.77 PHASE WAYE LAT. PERCEL HEIGHT(METERS)	4,4- 6.0 8 121 114 1707 199 107 199 199 199 199 199 199 199 199 199 19	1- 8 - 1- 5 1- 8	9.6-5 1 15 1 15 3 3 3 3 3 3 3 22 8 M	RIOD(SECON 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.	D 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4- 18.2- 8-1 22.2 1 22.	22.3- LONGER 	2680 1880 1877 1977 1977 1977 1977 1977 1977 1977

PHASE A HAVE A LAT SHOREL PERCEN	3 ST 4 PPROÁCH ON. STAR INE ANGL T OCCURR	ANGLE(T= 43. E = 19 ENCE(X	20 YE RELAT 08N/1 14 0 (1000)	AR WA IVE T 24.45 (DÉG. OF H	VE DIR O SHOR W Z) EIGHT	ECTION : ELINE II AT. LON WATER I AND PER	STATIST N DEGRE END= DEPTH = IOD BY	ICAL SU ES)= 10 42.96N/ 10.00 DIRECTI	MMARY 5.0 - 1 124.481 METERS ON	34.9	
HEIGHT(METERS)	4,4- 6	.1- 8 8.0	9.5	9.6- 10.5	PERIOD	(SECOND)	5) 3.4- 15 15.3 1	.4- 18 8.1 22	2- 22.	S- IGFR	TOTAL
0.50 - 14.499 1.50 - 14.499 2.50 - 2.53499 2.50 - 2.53499 2.50 - 4.499 4.50 - 4.99 5.00 - 10.54 5.00 - 10.54 6.00 - 10.54	2 <u>2</u> 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	90 38 12 50 12 20 11 1	13	:	565536 1217536 17789 17789 1218	· 562 100 217	3564713 273		ö ö		132541327044 132531727044
MEAN HS(M) = 2.99	LARGES	T HS(M	1) = 7			TP(SEC)	= 10.3	NUMBE	R OF CA	SES =	3066
PHASE ALLAT. WAVE ALLAT. SHOREL PERCEN	ST. G PPROACH ON. STAR INE ANGL T OCCURR	ANGLE(T= 43. E= 19 ENCE(X	20 YE RELAT 08N/1			ECTION : ELINE II AT. LON WATER ! AND PER		ICAL SU ES)= 13 42.96N/ 10.00 DIRECTI	MMARY 5.0 - 1 124.481 METERS	64.9	
HEIGHT(METERS)	4.4- 6	.1- 8	9.5	9.6- 10.5	PERIOD 10,6-	(SECOND 11.8-1	5) 3.4- 15 15.3 1	.4- 18 8.1 22	2- 22.3 .2 LON	S- IGFR	TOTAL
99999999999999999999999999999999999999	4.4-0	1-0 8-9-5 5-5 5-5 5-5 5-5 5-5 5-5 5-5 5-5 5-5	511								13710000000
								•		•	Ŏ O O
TOTAL MEAN HS(M) = 0.55	26 LARGES	59 St HS(M	す □ = 1	.64	0 MEAN	O TP(SEC)	0 = 6.6	0 NUMBE	O CA		56
PHASE A WAVE AL LATOREL SHOREL PERCEN	3 ST PPROÁCH ON STAR INE ANGI T OCCURR	,9 ANGLE(!T= 43 E = 19 ENCE(X	20 YE RELAT 06N/1 0400)			ECTION : ELINE II AT. LON WATER AND PER		ICAL SU ES)= 16 42.96N/ 10.00 DIRECTI	MMARY 5.0 - 1 124.486 METERS ON	180.0	
HEIGHT(METERS)	4.4- 6	.1- 8 8.0	9.5 9.5	9.6- 10.5	PERIOU 10,6-	(SECOND 11.8-1	S) 3.4- 19 15.3 1	.4- 18 .8.1 22	2- 22.	S- IGER	TOTAL
- 0.49 - 0.499 - 0.499 - 1.299 - 1.299 - 2.500 - 3.499 - 2.500 - 3.499 - 3.600 - 4.99 - 4.500 - 4.500 - TOTAL MEAN HS(M) = 3.	: : : : : : :	0 0 1130 TES				0 TP(SEC)		: : : : : :	Ô (R OF C		000000000000000000000000000000000000000
MEAN HS(M) = J.	LARGES	HS(M	1) = 0	٠.	MEAN	TP(SEC)	= 0.	NUMBE	R OF CA	ASES =	0





WIS STATION 49 (43.08N/ 124.45W TO 42.96N/ 124.48W)

HTHOM

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC	
Y1111111111111111111111111111111111111	46987417005777484745	402172194915-1007-104	มีรู้นักรถูกระการราชายายายายายายายายายายายายายายายายายา	8845876ค9804ทค8ดเคตการ	42000-117-99-14-67-11-12-62	16567-18-1827-5687-03225	76997466978556840265	111111111111111111111111111111111111111	699-1508088892150-608481	พลอดจายการสายการ	มากรองการการการการการการการการการการการการการก	54444545555555555555555555555555555555	No 6088777877660980205
MEAN	3.8	3.7	3.4	2.8	2.1	1.8	1.7	1.6	1.8	2.8	3.7	4.1	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 49 (43.08N/ 124.45W TO 42.96N/ 124.48W)

MONTH

	JAN	FEB	MAR	APR	MAY	HUL	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	046666557565554666665	804151918914045692152	649040067M604M1-1726	104004411111144040111404011	MANAMANANANANANANANANAAA	กล่องเกิดเกิดเกิดเกิดเกิดเกิดเกิดเกิดเกิดเกิด	มากางผงเผงเหตุการแกรการการการการการการการการการการการการกา	40071000-100000-100004000000	47ภาณอหาจณา8907ภอ74r	76505708506106042518	7717784624646666666666666666666666666666666	566665665667575765666

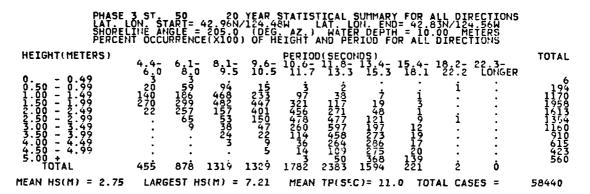
20 YR. STATISTICS FOR PACIFIC STATION 49 (43.08N/ 124.45W TO 42.96N/ 124.48W)

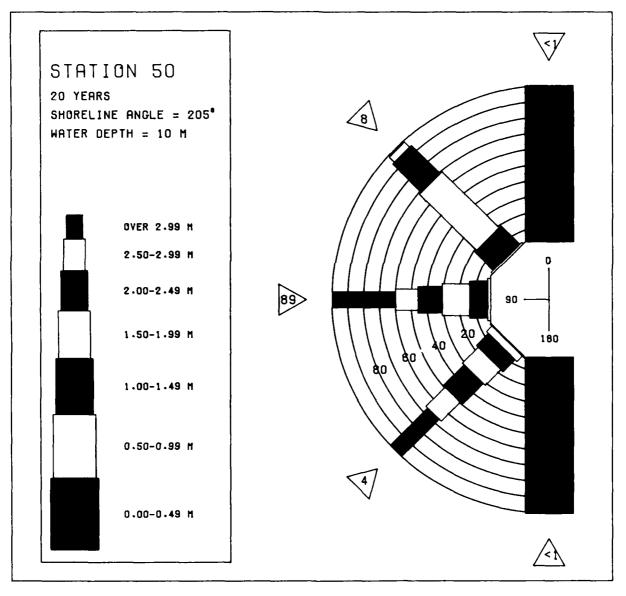
MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2.8
MEAN PEAK WAVE PERIOD	11.0
MOST FREQUENT 30 DEGREE (CENTER) DIRECTION BAND (DEGREES)	90.0
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	2.6
LARGEST WAVE HS (METERS)	7.4
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR.MO.DA.HR)	16.7
NATE OF LARGEST HS OCCUPATION TO THE OCCUPATION OF THE OCCUPATION	69121206

WAVE LAT. SHORE PERCE	3 ST. 50 APPROACH AN LON. START= LINE ANGLE NT OCCURREN	20 YE IGLE(RELAT : 42.96N/1 = 205.0 ICE(X1000)	AR HAVE D IVE TO SH 24.48W (DEG. AZ OF HEIGH	IRECTION S ORELINE IN LAT LON) WATER D T AND PERI	TATISTICA DEGREES END= 42 EPTH = 10 COD BY DIR	L SUMMAR 0 83N/124 60 MET ECTION	Y - 14.9 56W ERS	
HEIGHT(METERS)	4,4- 6.1 6.0 8.	- 8,1- 0 9.5	9.6- PERI 10.5 11.	OD(SECONDS - 11.8- 13 7 13.3 1) -4- 15.4-	18,2- 2	2.3-	TOTAL
0.4999999999999999999999999999999999999	6.0 8		10.5 11.	7 13.3 1	.5.3 18.1		LUNGER	00000000000
MEAN HS(M) = 0.	LARGEST	HS(M) = 0		N TP(SEC)	•	UMBER OF	CASES =	0
PHASE WAVE LAT SHORE PERCEI	3 ST. 50 APPROACH AN LON. STARTS LINE ANGLE NT OCCURREN	(GLE (RELAT : 42.96N/1 = 205.0 (CE (X1000)					Y - 44.9 56W ERS	
HEIGHT(METERS)	4,4- 6.1 6.0 8.	- 8,1- 0 9.5	9.6- FERI 10.5 11.	OD (SECONDS - 11.8- 13 7 13.3 1	3) 3.4- 15.4- 15.3 18.1	18.2- 2	2 3- LONGER	TOTAL
99999999999999999999999999999999999999	4640 68. 66 1066 							86122300000
MEAN HS(H) = 1.53		, J HS(M) = 2	-	N TP(SEC)	= 5.9 N	UMBER OF	CASES =	214
nu see								
HAYE LAY SHORE PERCEI	3 ST 50 APPROACH AN LON. STARTS LINE ANGLE NT OCCURREN	IGLE(RELAT : 42.96N/1 = 2050 ICE(X1000)						
HEIGHT(METERS)								TOTAL
	3 ST - 50 A APPROACH A START LINE ANGLE NT OCCURRENT 118 38 129 128 129 129 129 129 129 129 129 129 129 129	89911199980		IRECTION SORELINE IN LATE OF AND PERIOD (SECONDS 7 13.3				TOTAL 1560 14921 421448 4117 1100 0
HEIGHT (METERS) 0.49901.249901.249901.249901.249901.249901.249901.2499	464- 66- 118 38 1091 1822 193 1922 193 1922 193 1922 193 1935 193 193 193 193 193 193 193 193 193 193	8 1 5 3 11 11 249 58 10 171	9.6- 10.6 10.5 11.		3,4- 15,4- 5.3 18.1 	18.2- 2	2 3- LÖNGER : : : : : : : :	156 1490 4221 2148 401 117
HEIGHT (METERS) 0.499 0.499 0.500 - 12.499 2.500 - 2.499	464- 60 118 38 1091 182 2390 1822 193 1922 193 1922 353 3792 4580	8.1-5 3 11 129 498 100 171 HS(M) = 3 100 171 HS(M) = 3 100 100 100 100 100 100 100 100 100 10	9.6- PERI 10.5 11. 	OD (SECONDS 7 13.3 1 6 N TP(SEC) IRECTION S CRELINE IN LAT LON 1 AND PERI	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18.2- 2 22.2 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.3- LONGER 	1590 149248 149248 1100 00 4998
HEIGHT (METERS) 0.499 0	4.4- 6.1 11.6 38 10.91 182 193 192 193 192 193 192 353 193 192 193 192 193 192 193 192 193 192 193 192 193 192 193 193 193 br>193 193 193 193 193 193 193 193	8.1-5 3 11 129 498 100 171 HS(M) = 3 100 171 HS(M) = 3 100 100 100 100 100 100 100 100 100 10	9.6- PERI 10.5 11. 	OD (SECONDS 7 13.3 1 0 0 SEC) IRECTION IN CRECTION ON CRECTION ON	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18.2- 2 22.2 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.3- LONGER 	1590 1490 14221 1170 00 4998
HEIGHT (METERS) 0.499 0.499 0.500 - 12.499 2.500 - 2.499	4.4- 6.1 1.6 2.3 1.6 2.5 1.6 2	8.1-5 3 11 129 498 100 171 HS(M) = 3 100 171 HS(M) = 3 100 100 100 100 100 100 100 100 100 10	PER 6.5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	OD (SECONDS 7 13.3 1 0 0 SEC) IRECTINE IN CRECTINE IN TAMATER I TOD (SECONDS 7 11.8 7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18.2-2 22.2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.3- LONGER 	14214011 99 A 18650688524 1421411 99 T 18650688524 19725688524 19725688524 19725688524

PHASE A WAVE A LATE PERCEN	3 ST APPROACH ON STA THE ANG IT OCCUR	50 I ANGL RT= 4 SLE = RENCE	20 Y E(RELA 2.96N/ 205.0 (X1000					TICAL REES)= 42.8 = 10.1 DIRE	SUMMAR 105.0 3N/124 00 ME1 CTION	14 - 134.9 56W ERS	
HEIGHT(METERS)	4,4- 6.0	6.1.0	8 ₉ 1 ₅	9.6- 10.5	PERIOD:	SECON(13.3)5) 13.4- : 15.3	15.4- 1 18.1	18.2- 2 22.2	2 3- LÓNGER	TOTAL
- 0.499 - 0.1499 - 1.2233.499 - 1.2233.499 - 1.2233.499 - 4.500 - 4.99 - 4.500 - 4.500	23 6 41 6			19124159215 13124159215 1422159215	24573089705730 2457317821 211	1592680292 1592680292	····667762298	222		: : : : :	901551545924 101495375226 114547647
MEAN HS(M) = 2.87	LARGE	ST HS	(M) =	6.71	MEAN	PUSEC) = 10.	. / NUI	18ER UF	CASES =	5348
PHASE WAVE A LAT . SHOREL FERCEN	3 ST SPROACH ON STA INE ANG IT OCCUR	50 I ANGL IRT= 4 SLE = IRENCE	20 Y E(RELA 2.96N/ 205.0 (X1000	EAR WATIVE 1 124.48 (DEG.	AVE DIRE	CTION LINE T. LO! WATER NO PER	STATIS IN DEGR DEPTH DEPTH RIOD BY	STICAL REES)= 42.8 = 10.0	SUMMAR 135.0 30/124 00 ME1 CTION	164.9 56W ERS	
HEIGHT(METERS)	4.4- 220	6.1 <u>-</u>	8,1- 9.5	9.6- 10.5	PERIOD (SECON!	05) 13.4- 1 15.3	15.4- : 18.1	18.2- 2	2.3- LONGER	TOTAL
99999999999999999999999999999999999999	6.0 22 3 1	6 1 - 0 8 25 8 25 8 15	13	•		•				:	\$32 \$32
2.50 - 2.99 3.50 - 3.49 3.50 - 3.99	:	:	:	:	•	:	:	:	:	:	0000
4:00 - 4:49 4:50 - 4:99 5:00 + TOTAL	: 27	: 71	: eż	: ò	: ô	: ò	: ò	: ò	: ò	: ò	ŏ
MEAN HS(M) = 0.76	LARGE	ST HS	(M) =	2.38	MEAN ?	TP(SEC) = 6.	9 NUI	MBER OF	CASES =	74
PHASE HAVE / LAVE / SHORE FERCE!	3 3T APPROACH ON STA INE ANG IT OCCUR	50 I ANGL IRT = 4 ILE = IRENCE	20 Y E(RELA 2.5507 20500							14 - 180.0 - 56W - ERS	
HEIGHT(METERS)	464ō	6.1- 8.0	8,1- 9.5	9.6- 10.5	PERIOD (SECONI 13.3	05) 13.4- 1 15.3	18.4- 1 18.1	18.2- 2	2 3- LONGER	TOTAL
0.499 0.500 - 122 1.500 - 22 2.550 - 2	:	:	:	:	:	:	:	:	:	:	0
2.20 - 2.49		:			:		:	:		:	-10000000000
3.50 - 3.79 3.50 - 3.99 4.50 - 4.49 4.50 - 4.99 5.00 + TOTAL	:	:	:	:	•	:	•	:	:	•	0000
TOTAL	i	Ò	Ò	Ò	ō	Ö	Ö	Ġ	Ö	Ö	U

MEAN HS(M) = 0.49 LARGEST HS(M) = 0.49 MEAN TP(SEC) = 4.5 NUMBER OF CASES = 1





WIS STATION 50 (42.96N/ 124.48W TO 42.83N/ 124.56W)

าต		

						MONT	H						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	กงเสากาสทาสทาสทากทางสสทา	491610M741M07780600M	กลางครายสายสายสายสายสายสายสายสายสายสายสายสายสา	884-487-690804-4-98090-19	งงงงงงงานางงงงานางงงงงงงงงงงงงงงงงงงงง	277777727277777777722222	7609774660779567848275	1-	6991688688989256608781	พลองลอพักส์ตรายงายจลลสพลอง	หากกระทรงของ 6 อเกา อเกาเก	57444454555555555555555555555555555555	N.669877777777550970204 ERVARIANTANANANANANANANANANANANANANANANANANAN
MEAN	3.7	3.7	3.3	2.8	2.1	1.9	1.7	1.6	1.8	2.8	3.6	4.0	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 50 (42.96N/ 124.48W TO 42.83N/ 124.56W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC
R67890123456789012345 E99999999999999999999	14000000000000000000000000000000000000	8694000000000000000000000000000000000000	600900006604445H05040	67-122M-67-859-6-6828-15	9-687-4-4-4-4-4	คณานณาทาการทางเกณารถสารการณา	401-150-150-40-40-40-40-40-40-40-40-40-40-40-40-40	40075092524942657945	มากรางเกรางนารากางรา	76407708405107047419	57070898218108151574 45666555664666666666	52024815321962667868 5666666666666657656665

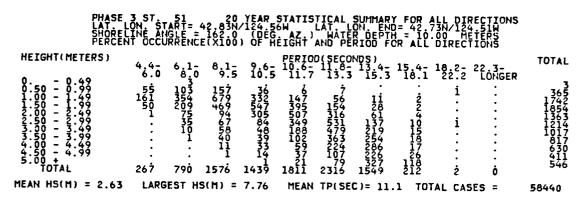
20 YR. STATISTICS FOR PACIFIC STATION 50 (42.96N/ 124.48W TO 42.83N/ 124.56W)

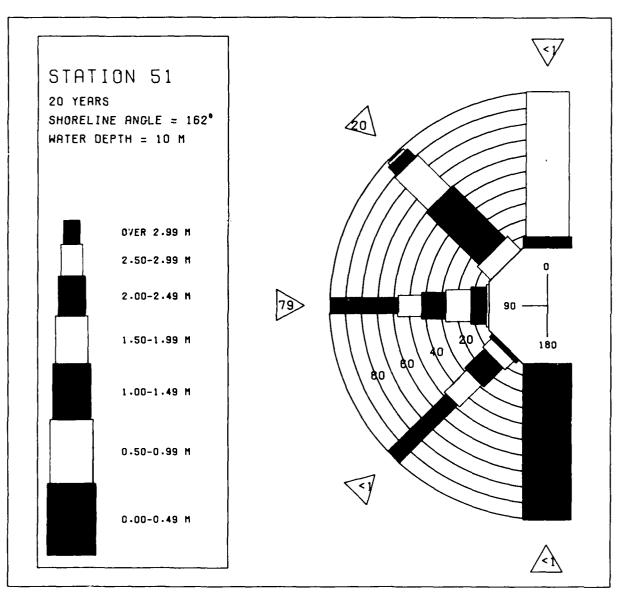
MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2.7
MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	11.0 90.0
MOST FREQUENT 30 0 DEGREE (CENTER) DIRECTION BAND : : (DEGREES) STANDARD DEVIATION OF MAVE HS (SECONDS)	2.6
LÁRGEST WÁVE HS WAVE TP ASSOCIATED WITH LÁRGEST WÁVE ÁS (SECONDS)	16:7
LÁRGEST MÁVÉ HÍSTON MÁVE TP ÁSSOCIÁTED WITH LÁRGEST MÁVÉ HS (SECONDS) AVERAGE DÍRECTÍON ASSOCIÁTED WITH LÁRGEST MÁVÉ HS (DEGREES) DATE OF LÁRGEST HS OCCURRENCE IS (YR, MO, DA, HR)	69121215

	PHASE 3 ST NAVE APPROA AT LON S SHORELINE A PERCENT OCC	51 CH ANGLE TART= 42 NGLE = 1 URRENCE(20 YI (RELA 83N/ 62 0 XI000					STICAL REES)= 1= 42.7 1= 10. 3Y DIRE	SUMM/ 0 3N/124 00 ME CTION	RY 	
HEIGHT (METER	(S) 6.0	6.1- 8.0	8,1,5	9.6- 10.5	PERIOD 10.6- 11.7	(SECON 11.8-	DS) 13.4-	15.4- 18.1	18.2-	22.3- LÖNGER	TOTAL
0 0.49	6.0	8.0	9.5	10.5	11.7	13.3	15.3	18.1	22.2	LONGER	Q
0.50 - 0.49 0.50 - 0.99 1.00 - 1.49	:	•	•	:	:	:	:	:	:	:	ğ
0.500 - 11.500 1.500 - 2.600	:	•	:	:	:	:	:	:	:	•	0000000000
2.00 - 2.49 2.50 - 3.49 3.00 - 3.49	•	:	•	:	:	:	:	:	:	•	Ŏ,
4.50 - 4.49 4.50 - 4.99 5.00 +	:	:	:	:	:	:	:	:	:	:	Ŏ
4.50 - 4.99 5.00 + TOTAL			÷	Å			Å		Ö		ŏ
MEAN HS(M) =	O LAD	GEST HS(M) = 1	n	MEAN	TP(SEC	1 = (). NL	•	F CASES =	. 0
11CAN 115(11) -	U. LAK	0E31 1130	. 117 – (٠.	III.	TECSEC	, - (MULK (or CASES -	•
	PHASE 3 ST NAVE APPROA AT LON S SHORELINE A PERCENT OCC	51 CH ANGLE THE E 1 NGLE = 1 URRENCE	20 YI RELA 83N/ 62.0 X1070	EAR WA TIVE 1 124.56 (DEG.				STICAL REES): 0= 42.7 1 = 10. 3 DIRE	SUMM/ 15.0 3N/124 00 ME CTION	ARY) - 44.9 151W TERS	
HEIGHT (METER		6.1.0	8,1-	9.6- 10.5	PERIOD 10.6- 11.7	(SECO))	05) 13 <u>.</u> 4-	15.4- 18.1	18.2-	22.3- LÓNGER	TOTAL
0 0.49	464- 479 1464 284	6.1- 6.5 167 1380 1023 77	9.5	10.5	11.7	13.3	15.3	18.1	22.2	LONGER	8
- 0.49 - 0.99 1.50 - 1.99 2.00 - 2.49	1464	1380	ţġ	•	:	:	:	:	:	•	2852
\$:20 - \$:43	204	77	ŧό	:	:	:	:	:	:	:	28528 138 2000000000000000000000000000000000000
3:20 - 3:49	:	:	:	:	:	:	:	:	:	•	ŏ
3.00 - 3.49 3.50 - 3.99 4.00 - 4.49 4.50 - 4.99 5.00 +	•	:	:	:	:	:	:	:	:		ŏ
5:00 TOTAL	2230	2652	35	'n	ň	'n	Å	Å	å	ò	ŏ
MEAN HS(M) =		GEST HS(2.31	MFAN	TP(SEC) = (5.1 NL	•	F CASES =	2876
HEIGHT (METER	PHASE 3 ST. NAYE APPROA NAYE LONG SHORELINE A PERCENT OCC (S)										TOTAL
		6 <u>1</u> - 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6				(SECON	DS) 13.4- 15.3		SUMM/ 45.0 3N/124 00 ME CTION 18.2- 22.2	ARY 74.9 1-514 1-514 1-514 1-514 1-52 1-54 1-54 1-54 1-54 1-54 1-54 1-54 1-54	TOTAL
HEIGHT (METER 49990 00 00 9999 00 00 00 00 00 00 00 00		6 <u>1</u> - 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6			PEO 1 1 0 2 3 2 1 2 3 2 3 2 3 2 3 3 3 3 3 3 3 3 3	SECON 113.58 39767 307477 11330251 307477 307477 307477	053 154573047 154573047				45,62253,43 611016,600 1239,6600 1239,6600
HEIGHT (METER 9999 0 0 0 9 0 9 9 9 9 9 0 0 0 9 9 9 9		6 <u>1</u> - 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 445510151 1	910 8563840353 3685724052 368214152	PER 16.7 93065377131	SECON 113.58 69067777613326677893	DS) 13.4- 15.3 95 154 205 467				TOTAL 450449474703555 261615746430555 2237164430555 1000000000000000000000000000000000
HEIGHT (METER 4999 0 9 9 9 0 9 9 9 9 9 9 9 9 9 9 9 9	4.4-0 6 i 0 145 164 3 :	6 1 - 0 710 1 1827 6 1790 2 104 1 3883 12	8 9 1 - 9 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	910 - 856-8840 - 56 - 856-8840 - 56 - 856-8840 - 56 - 66 - 66 - 66 - 66 - 66 - 66 - 6	PERIOD 11.7 950 2830 2830 2771 2155 1155 1155 1164 MEAN	(SECON 11.3.3 368 10767 133626 107677 2626 16772 2842 2219	D\$3.5. i5457304706 12461904729 = 10545736429	15.4- 18.1 i i	18.2- 22.2	22.3- LÓNGER : : : : : : : : : : : : : : : : : : :	904499470355 616253470855 222396643855
HEIGHT (METER 4999 0 9 9 9 0 9 9 9 9 9 9 9 9 9 9 9 9	2.24 LAR	6 1 0 2107 16 18790 24 18790 24 10 1 10 1 10 1 10 1 10 1 10 1 10 1 10	8 9 1 - 5 1 1 4 4 4 4 4 4 7 7 1 1 4 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 8563840353 5 9 W 56 6 8563840353 5 9 W 56 6 8 7 10 10 10 10 10 10 10 10 10 10 10 10 10	PERIOD 11.5.9 288829377 2888297723 2887723 288777723 288777723 288	(113 3696777849 ECTIN TELLIN T	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4- 16.1 1 1 2 2.7 MC 2.7 MC 2.7 MC 2.7 MC	18.2- 22.2 	22.3- LÓNGER 	904499470355 616253470855 222396643855
HEIGHT (METER 0.999-0.0	2.24 LAR PHASE APPROSAC HAVE LIN OCC 14.549 2.24 LAR PHASE APPROSAC PHASE APPROSAC 14.410 APPROSAC 14.410 APPROSAC 14.410 APPROSAC 15.110 APPROSAC 16.110 APPROSAC 1	6 1 0 1 6 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7	8 9 1 - 5 44457 - 6 44457 - 7 15 1 10 15 1 1	910 29557840552 5 6 87500 6 6 85505840552 5 6 87500 6 87500 6 6 87500 6 87500 6 6 87500 6 6 87500 6 6 87500 6 6 87500 6 6 87500 6 6 8750	PERIOD 1 1 5 9 3 8 8 8 2 9 7 7 2 3 1 5 5 1 1 1 5 9 8 8 8 2 9 7 7 2 3 1 5 5 1 1 1 5 5 1 1 1 1 1 1 1 1 1 1 1	(111 3 560 677 7 62 7 7 6 7 7 7 6 7 7 7 7 7 7 7 7	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4- 16.1 1 1 2 2 1.7 MU STIECAL 2 2 1.7 MU STIECAL 2 1.7 MU STIECAL 1.7 MU	18.2- 22.2 	22.3- LÓNGER : : : : : : : : : : : : : : : : : : :	4904499 12052499 120525947038555 1805259 18052
HEIGHT (METER 0.999-0.0	2.24 LAR	6 1 0 1 6 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7	8 9 1 - 5 44457 - 6 44457 - 7 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	910 29557840552 5 6 87500 6 6 85505840552 5 6 87500 6 87500 6 6 87500 6 87500 6 6 87500 6 6 87500 6 6 87500 6 6 87500 6 6 87500 6 6 8750	PERIOD 1 1 5 9 3 8 8 8 2 9 7 7 2 3 1 5 5 1 1 1 5 9 8 8 8 2 9 7 7 2 3 1 5 5 1 1 1 5 5 1 1 1 1 1 1 1 1 1 1 1	(111 3 560 677 7 62 7 7 6 7 7 7 6 7 7 7 7 7 7 7 7	D33 1 15457304706 1 15071 ED 1 15	15.4- 16.1 1 1 2 2 1.7 MU STIECAL 2 2 1.7 MU STIECAL 2 1.7 MU STIECAL 1.7 MU	18.2- 22.2 	22.3- LÓNGER 	4904499 12052499 120525947038555 1805259 18052
HEIGHT (METER 0.999-0.0	2.24 LAR TASE APPIN C . 6.551 2.24 ASE APPIN C . 6.551 HAVE PROPERTY ASSESSED ASSE	6 1 0 1 6 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7	8 9 1 - 5 44457 - 6 44457 - 7 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	910 29557840552 5 6 87500 6 6 85505840552 5 6 87500 6 87500 6 6 87500 6 87500 6 6 87500 6 6 87500 6 6 87500 6 6 87500 6 6 87500 6 6 8750	PERIOD 1 1 5 9 3 8 8 8 2 9 7 7 2 3 1 5 5 1 1 1 5 9 8 8 8 2 9 7 7 2 3 1 5 5 1 1 1 5 5 1 1 1 1 1 1 1 1 1 1 1	(111 3 560 677 7 62 7 7 6 7 7 7 6 7 7 7 7 7 7 7 7	D33 1 15457304706 1 15071 ED 1 15	15.4- 16.1 1 1 2 2 1.7 MU STIECAL 2 2 1.7 MU STIECAL 2 1.7 MU STIECAL 1.7 MU	18.2- 22.2 	22.3- LÓNGER 	4904499 12052499 120525947038555 1805259 18052
HEIGHT (METER 0 9990 0	2.24 LASE APPRODUCE LATE LATE LATE LATE LATE LATE LATE LAT	6 1 0 2107 16 18790 24 18790 24 10 1 10 1 10 1 10 1 10 1 10 1 10 1 10	8 9 1 - 5 44457 - 6 44457 - 7 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 8563840353 5 9 W 56 6 8563840353 5 9 W 56 6 8 7 10 10 10 10 10 10 10 10 10 10 10 10 10	PERIOD 1 1 5 9 3 8 8 8 2 9 7 7 2 3 1 5 5 1 1 1 5 9 8 8 8 2 9 7 7 2 3 1 5 5 1 1 1 5 5 1 1 1 1 1 1 1 1 1 1 1	(\$113.5800.677.8249 1074.761.77.8249 1074.77.8249 1074.77.8249 1074.77.8249 1074.77.8249 1074.77.8249 1074.77.8249 1074.77.8249 1074.77.8249 1074.	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4- 16.1 1 1 2 2.7 MC 2.7 MC 2.7 MC 2.7 MC	18,2- 22.2 	22.3- LÓNGER 	490 15044 15044 15046 1603 1603 1603 1603 1603 1603 1603 160

MEAN HS(M) = 3.33 LARGEST HS(M) = 7.76 MEAN TP(SEC) = 12.2 NUMBER OF CASES = 22184

PHASE AR HAYE AR LAY SHOREL PERCENT	ST. 5) PROACH N. START NE ANGLE OCCURRE	L 20 ANGLE(REL I = 42.83N = 162.0 NCE(X100	YEAR WALL ATIVE 1/124.5(0) OF 1	AVE DIR TO SHOR SW L AZ.) HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIS IN DEGR 1. END= DEPTH 2100 BY	TICAL EES)= 42.73 = 10.00 DIREC	SUMMAR 105.0 N/124 10 MET	Y - 134.9 51W ERS	
HEIGHT(METERS)	4.4- 6	3.0 8,1- 3.0 9.5	9.6- 10.5	PERIOD 10,67	(SECOND 11.5-1	(\$) 3.4- 1	5.4- 1 18 1	8,2- 2	2.3- LONGER	TOTAL
0 0.49 0.50 - 0.99 1.00 - 1.49	•	: :				:	:		•	0 0 35
1.50 - 1.99 2.00 - 2.49 2.50 - 2.99	10 4	34 25 73 68 1138 1138	18 39	5	10 1			:	:	77 177 249
0		25 73 68 61 138 11 138	18 39 75 124 77 34	65 59 68	10 15 47	•	:	:	:	005777944495 12322116
0.49 0.49 0.500 - 1.49 1.500 - 1.29 2.500 - 2.49 3.500 - 3.49 3.500 - 4.99 4.090 + 4.99	15 29	: :	34 1 368	5159 1659 837 368	51 70 195	17 18	Ö	Ō	Ö	169 165
MEAN HS(M) = 3.54	LARGEST	r HS(M) =	7.72		TP(SEC)	= 9.	7 NUN	IBER OF	CASES =	1025
DUASE 1	t et ei	. 20	YEAD W	AVE DYD	ECTTON	STATIS	TTCAL	SI IMM AE	¥	
WAÇE AF LATE LO SHOPEL	PROACH I	20 ANGLE (REL [= 42.83N = 162.0 ENCE (X100	λτίνε": 1/124.50	PO SHOF	ELTNE"I	֖֖֓֞֞֞֞֞֓֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	ĖĖŠĴ= = 4277	135.0 N/124	164.9 51W	
PERCENT						15.)				TOTAL
	4.4- 6	3.0 8.1- 3.0 9.5	9.6- 10.5	10.6-	(SECOND 11.8-1	15.3	5.4- 1 18.1	8.2- 2 22.2	2.3- LONGER	
0.50 - 0.49 0.50 - 1.49 1.500 - 1.99 1.550 - 22.49 2.550 - 23.49 3.500 - 3.49 3.500 - 4.99 4.550 + 4.99	6 3 1	 8 :	:	:		÷	:	:		14000000
2.00 - 2.49 2.50 - 2.99 3.00 - 3.49	ī :	3 .	:		:				•	0
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99	•	: :	:	:	•	•	:	:	•	0
		ii ó	ó	Ó	Ó	Ö	Ó		Ò	_
MEAN HS(M) = 1.66	LARGES	T HS(M) =	2.23	MEAN	TP(SEC)) = 6.	2 NUI	BER OF	CASES =	: 14
PHASE	S ST. 5	1 20 ANGLE (BE)	YEAR W	AVE DIR	ĒĊŢĬŌN.	STATIS	ŢĮÇĄL	ŞŲMMĀR	Y 180 0	
CÂŤ CO SHOPELI	N. STAR	1 ANGLE(REL T= 42.83N E= 162.0 ENCE(X100	17124 5	AZ.)	ATT LON	DEPTH	42.73 = 10.0	10 MET	51W ERS	
HEIGHT(METERS)					(SECOND					TOTAL
0 0.49 0.50 - 0.99	4.4- 6	3.6 8,1 <u>.</u> 5	9,6°.5	Tii.7	13.3	15.3	5.4- 1 18.1	22.2	2.3- LONGER	8
99999999999999999999999999999999999999	:		:	:			:	:		Ŏ
2.50 - 2.99 3.60 - 3.49					•				•	Õ
7.70 - 3.77	:	: :	:	:	:	:	:	:	•	0
0.49 - 0.49 - 0.49 - 1.12 - 1.23 - 1.49 - 1.	:	: : : : à ò	•	: : :		: : :	:	: :		00000000000





HIS STATION 51 (42.83N/ 124.56W TO 42.73N/ 124.51W) MONTH

						HON	п						
	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E6596999999999999999999999999999999999	76087447595760040594	non-comming to the contraction of the contraction o	กกากงณฑงงงงงงกงกกกกกกกกกกกกกกกกกกกกกกกกก	562774420791120090000	2012-101-1-1-1-1-1-101-0-101-0-0-10-0-1	95455608796557509095	477-64-20-47-15-677-4-6-17-05-54	THE PROPERTY OF THE PROPERTY O	58704579658048596069	งงางอากองงางกระการเกราะ	กคากคาย เล่าสาย เกาะเล่าสาย เกาะเล่าสาย เกาะเล่าสาย เกาะเล่าสาย เกาะเล่าสาย เกาะเล่าสาย เกาะเล่าสาย เกาะเล่าสาย	naag-ing-amag-aangoong	Ning-6666666664597-68887 Erronanananananananan E
MEAN	3.8	3.7	3.2	2.6	1.9	1.7	1.5	1.4	1.7	2.6	3.5	4.1	

LARGEST HS(METERS) BY MONTH AND YEAR

HIS STATION 51 (42.83N/ 124.56W TO 42.73N/ 124.51W)

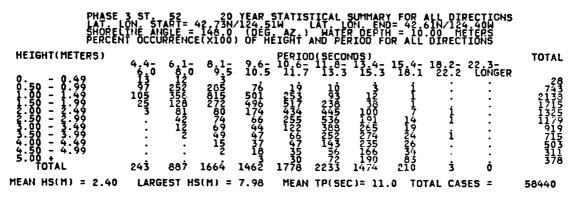
						MUNI	н					
	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 E955556666666777777 E959999999999999999999	05829662778757155172 646665665655577	41518495666417288228 56666656544466655665	05574001740450001770	9-6045-009-10-15-15-09-09-09-09-09-09-09-09-09-09-09-09-09-	44ทองหมานีกองเกรชานีกองการ	9-6-147-ณอกังสอบณณณณณณฑฑฑณ	งงางงางงางงานงานงานงา	10000001000000000000000000000000000000	ณฑาการเการ์ สามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสา	4441114460064641179111681	4556656565645666666655	56666577566757656666

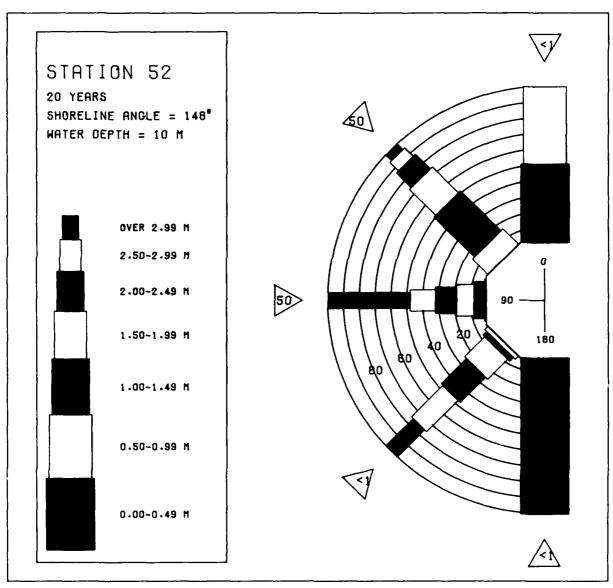
20 YR. STATISTICS FOR PACIFIC STATION 51 (42.83N/ 124.56W TO 42.73N/ 124.51W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD MOST_FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	2.6 11.1 60.0
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	01.48 27.8
LARGEST MAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS OTHER OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	14:3 90:4 69121115

PHASE LATORE STORES PERCEN	3 ST 52 APPROACH AL ON START INE ANGLE IT OCCURRE	YGLE(RELA = 42.73N/ = 148.0 YCE(X1000	(EAR WA TIVE T 124.51 (DEG.	VE DIR O SHOR W AZ) EIGHT	ECTION ELINE AT LOI HATER AND PEI	STATI IN DEG N. END DEPTH RIOD B	STICAL REES)= = 42.6 = 10 Y DIRE	SUMMA 0 1n/124 00 ME CTION	RY -40W TERS	
HEIGHT(METERS)	4,4- 6,3 6,0 8	1- 8,1- .0 9.5	9,6=	PERIOD	(SECON	05) 13:4-	15.4-	18,2-	22 3- LONGER	TOTAL
0:50 - 0:49 0:50 - 0:99	4640 6	.0 9.5	10.5	:	:	15.3	10.1	:	LUNGER	11
99999999999999999999999999999999999999	:		•	:	:	:	:	:	:	0000000000
2.50 - 2.99 3.60 - 3.49	•		:	:	•	•	:	:	•	0
74999999 749999999 70500000000000000000000000000000	•		:	:	:	:	:	:	:	ŏ
TOTAL		ò ó	Ò	Ġ	Ö	Ċ	Ò	Ò	ò	•
MEAN HS(M) = 0.04	LARGEST	HS(M) =	0.08	MEAN	TP(SEC) = 4	.7 NU	MBER O	F CASES :	= 7
PHASE HAVE LAT SHORE PERCEN	3 ST 52 IPPROACH AI ON START: INE ANGLE IT OCCURREI	NGLE(RELA 20 12 42.73N/ = 14800 NCE(X1000							RY - 44.9 - 40W TERS	
HEIGHT(METERS)	4,4- 6,3	1 ₀ 8,1 ₅	9.6- 10.5	PERIOD	(SECONI 11.8- 13.3)§) 13 ₆ 4-	15,4-	18,2-	22.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 0.99	4,4- 6 123 8 123 117 982 189 106 39	8.1- 9.5 56 56 34 37 5	:	:	:	:	:	:	CONGER	204 2144
	106 39	3 37 5	:	:	:	:	:	:	:	2148 2148 2149 225 22 22 22 22
2.50 - 2.99 3.50 - 3.49 3.50 - 3.99	•	: :	•	•	:	:	•	•	•	0
4.01 - 4.49 4.50 - 4.99			:	:	:		:	:	:	ŏ
	2129 354		ė	Ö	Ò	Ò	Ö.	Ö	ò	•
MEAN HS(M) = 1.07	LARGEST	HS(M) =	2.21	MEAN	TP(SEC) = 6	.3 NU	MBER O	F CASES :	= 3398
PHASE WAYE LAYE SHORE PERCEN	3 ST 52 APPROACH AI -ON START! -INE ANGLE IT OCCURRE!	YGLE(RELA = 42.73N/ = 148.0 YCE(X1000	(EAR WA TIVE T '124.51 (DEG.)) OF H	VE DIR O SHOR W AZ) IEIGHT	ECTION ELINE AT. LOI WATER AND PER	STATI IN DEG IL END DEPTH RIOD B	STICAL REES)= = 42.6 = 10.4	SUMMA 45.0 1N/124 00 ME CTION	RY - 74.9 ters	
PHASE MAYE LAT SHORE SHORE PERCEN HEIGHT(METERS)	3 ST 52 APPROACH AI ON START: INE ANGLE IT OCCURRE!	YGLE(REL) = 42,73N/ = 148.0 YCE(X1000	(EAR WA TIVE T 124-51 (DEG)) OF H	VE DIR O SHOR W AZ) IEIGHT PERIOD 10.6-	ECTION ELINE AT LO WATER AND PER (SECON	STATI IN DEG I. END DEPTH RIOD B	STICAL REES)= = 42.6 + 10.6 Y DIRE	SUMMA 45.0 1N/124 00 ME CTION 18.2-	RY 74.9 - 74.9 TERS	TOTAL
HEIGHT(METERS)	3 ST 52 PPROÁCH 52 ON START 11 OCCURRE 4.4- 6. 6.0 8 37 130	YGLE(RELA = 42.73 N/ = 148.000 NCE(X1000 1- 8.1- 1.0 35.2	(EAR WA 1717 51 124 51 (DEG 10,6 10,6	VE DIR O SHOR MAZ I TEIGHT PERIOD 10.6- 11.7	ECTION ELINE ATER AND PER (SECON) 113.3	STATI IN DEG I. END DEPTH PIOD B 05) 13.4- 15.3	STICAL REES)= = 42.6 + 10.6 Y DIRE	SUMMA 45.0 1N/124 00 ME CTION 18.2- 22.2	RY 74.9 	101
HEIGHT(METERS)	37 ST 52 A 52	HGLE (REL) HGLE ((EAR WATER STATE S	VE SHORE SHORE NAZGHT PERIOD 1011383300	ECTION ELINE OF ATTERNANT FER AND TERNANT FER 13.87 1934 2334	STATI IN DEGD DEPTH DEPTH PIOD B DS) 4-3 115-3 1193 1373	STICAL REES)= = 42.6 + 20.6 Y DIRE 15.4- 18.1	SUMMA 45.0 1N/124 00 ME CTION 18.2- 22.2 3	RY 74.9 	101
HEIGHT(METERS)	3 ST	YG LE (X 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	(ETIVE 6 - 5 RV4 - 5 - 5 RV4 - 5 - 5 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6	DIR DHORL DH	ECTION OF OR OTHER PROPERTY OF THE PROPERTY OF	ST DESCRIPTION -3 ST DESCRIPTIO	STICAL REES206 Y DIRE 15.4-1 16.4-1 16.4-1 16.4-1 16.4-1 16.4-1 16.4-1 16.4-1 16.4-1 16.4-1 16.4-1	SUMMA 45.0 1N/124 00 1ME CTION 18.2- 22.2 3	RY 74.9 	
HEIGHT (METERS) 0.49901-12991299129912991299129912991299	37 ST ACH 52 NO START 1 START	20 1 - 5 2 2 2 4 6 0 2	WATEL WA WATEL WA WATEL WA WATEL WA WATEL WATEL WATEL WATEL WATEL WATEL	VE SHORL DION ALEI SHORL IEI SHORL 1 1 250140 1 1 1 250140 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ECLIVATE ON A CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF T	ST LEGOTH B 13781301328 13781301301301301301301301301301301301301301	STE + 1 1 6140333 STE = Y 1 1 6140333	SUMMA 45.0 1N/124 00 N/124 100 N/124	RY 74.9 74.9 TERS 22.3- LONGER 	101
HEIGHT(METERS) 0.50 - 0.49 1.00 - 1.49 1.00 - 1.49	3 ST	NG LE (X73 N)	(E414-10) 9.6 -5 -6 -5 -6 -5 -6 -5 -6 -5 -6 -5 -6 -5 -6 -5 -6 -5 -6 -5 -6 -5 -6 -5 -6 -5 -6 -5 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6	PE SH ZH TO 7 1 1521 140 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ECTINE ON LEREIN HANDE OF A 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ST ACENTIA ST DENTH ST AL=6 -6.E 1 -6 -6.E 1 -6.E	SUMMAD 1M/124 00 1M/124 00 1M/124 18 2-2 3 	RY 74.9 	101	
HEIGHT (METERS) 0.49901-12991299129912991299129912991299	4.4-0 8 37 130 57 156 78 68 10 499 10 20	8 9 1 - 5 2 7 5 2 8 2 7 5 7 5 2 8 2 2 1 7 2 3 8 8 5 2 4 1 7 2 3 6 8 5 2 4 1 1 2 3 4 1	910,688 910,688 910,688 910,688 910,78	PER 100 11 1 383 152140 152409488 2540948 2540947 25115 1151	SECONI 113.87 19334 19334 194710 244710 19474 19474 19474 851127 19474 851127	9 4 · · · · · · · · · · · · · · · · · ·	15.4-1 18.808392773307	18.2- 22.2 3	RY 74.9 TERS 22.3- LÖNGER 	101163 5212055003 1851520683776 646954
HEIGHT (METERS) 0.4990.4990.9499	4.4-0 8 37 130 57 156 78 68 10 499 10 20	1-0 5-5 5-7 5-7 5-7 5-7 5-7 5-7 5-7	90 6-5 7-6889 17-6889 1-6589 1-6589 1-6589 1-6589 1-6589 1-7-09 1-7-09 1-7-100	PERIOD 1 1 1 3 2 5 5 1 1 5 1 1 9 2 5 5 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SECON-3 1933-11111111111111111111111111111111	1378130720559 1378130720559 1378130720559 1378130720559 1407696775 = TADENT BENT BENT BENT BENT BENT BENT BENT B	151 1 100392777307 NU Al: 6144073336	18.2-2 22.2 3 3 MBER 0 575:00 1N/1246 CTION	22 3- LONGER : : : : 0 F CASES : RY 104.9 16RS	101 104 104 105 105 105 105 105 105 105 105 105 105
HEIGHT (METERS) 0 0.49 0.50 - 0.49 1.500 - 1.49 2.500 - 2.49 2.500 - 3.49 2.500 - 4.49 2.500 - 4.99 2.500	4.4-0 8 37 130 57 156 78 68 10 49 10 20 187 4200 LARGEST 187 4200 LARGEST 187 4200 LARGEST	1- 8-1- 20 35 2758 2758 2758 2884 4006 6 5 6 14234 HS(M) =	90 6-5 7-6889 17-6889 1-6589 1-6589 1-6589 1-6589 1-6589 1-7-09 1-7-09 1-7-100	PERIOD 1 1 1 3 2 5 5 1 1 5 1 1 9 2 5 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SECON-3 1933-11111111111111111111111111111111	1378130720559 1378130720559 1378130720559 1378130720559 1407696775 = TADENT BENT BENT BENT BENT BENT BENT BENT B	151 1 100392777307 NU Al: 6144073336	18.2-2 22.2 3 3 MBER 0 575:00 1N/1246 CTION	22 3- LONGER : : : : 0 F CASES : RY 104.9 16RS	101163 5212055003 1851520683776 646954
HEIGHT (METERS) 0.499 0.50 - 0.499 1.500 - 2.499 2.500 - 2.499 2.500 - 3.499 2.500 - 4.499 5.00 - 4.499 5.00 - H. 199 5.00 - H. 199 EAN HS(M) = 2.23 PHASE WAYE SHORE HEIGHT (METERS) 0 0.49	4.4- 6.3 37 130 59 156 78 68 10 10 10 10 187 420 LARGEST 187 420 LARGEST 3 ST 52 1PPROACH AL ON STACH AL ON STACH AL 1THE ANGLE	1- 8 1- 2752 275382 275382 275382 3060 	90 0 6 6 5 9 9 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD 1 1 2500440 1 1 2500440 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SECON 3 8 5 6 7 4 4 4 3 1 9 3 3 0 1 9 3 3 0 1 9 2 3 1 1 9 2 3 1 1 9 2 3 1 1 9 2 3 1 9	13 13 13 13 13 13 13 13 13 13 13 13 13 1	151 1 100392777307 NU Al: 6144073336	18.2-2 22.2 3 3 MBER 0 17.52 10.1111 18.2-2	22 3- LONGER	101 18121 15505 115553 9206 6683 29377 1426 = 45049
HEIGHT (METERS) 0.499 0.50 - 0.499 1.500 - 2.499 2.500 - 2.499 2.500 - 3.499 2.500 - 4.499 5.00 - 4.499 5.00 - H. 199 5.00 - H. 199 EAN HS(M) = 2.23 PHASE WAYE SHORE HEIGHT (METERS) 0 0.49	4.4- 6.3 37 130 59 156 78 68 10 10 10 10 187 420 LARGEST 187 420 LARGEST 3 ST 52 1PPROACH AL ON STACH AL ON STACH AL 1THE ANGLE	1- 8 1- 2752 275382 275382 275382 3060 	90 0 6 6 5 9 9 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD 1 1 2500440 1 1 2500440 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SECON 3 8 5 6 7 4 4 4 3 1 9 3 3 0 1 9 3 3 0 1 9 2 3 1 1 9 2 3 1 1 9 2 3 1 1 9 2 3 1 9	13 13 13 13 13 13 13 13 13 13 13 13 13 1	151 11 6140333337 NU L=6.140333336 CA10211 4-1 1-8.10 11 11 11 11 11 11 11 11 11 11 11 11 1	18.2-2 22.2 3 3 MBER 0 17.52 10.1111 18.2-2	22 3- LÖNGER 	101 18121 15505 115553 9206 6683 29377 1426 = 45049
HEIGHT (METERS) 0.499 0.50 - 0.499 1.500 - 2.499 2.500 - 2.499 2.500 - 3.499 2.500 - 4.499 5.00 - 4.499 5.00 - H. 199 5.00 - H. 199 EAN HS(M) = 2.23 PHASE WAYE SHORE HEIGHT (METERS) 0 0.49	4.4- 6.3 37 130 59 156 78 68 10 10 10 10 187 420 LARGEST 187 420 LARGEST 3 ST 52 1PPROACH AL ON STACH AL ON STACH AL 1THE ANGLE	1- 8 1- 2752 275382 275382 275382 3060 	90 0 6 6 5 9 9 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD 1 1 2500440 1 1 2500440 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SECON 3 8 5 6 7 4 4 4 3 1 9 3 3 0 1 9 3 3 0 1 9 2 3 1 1 9 2 3 1 1 9 2 3 1 1 9 2 3 1 9	13 13 13 13 13 13 13 13 13 13 13 13 13 1	151 11 6140333337 NU L=6.140333336 CA10211 4-1 1-8.10 11 11 11 11 11 11 11 11 11 11 11 11 1	18.2-2 3 3 MBER 0 3 MBER 0 3	22.3- LONGER 	101 18121 15505 115553 9206 66083 29377 1426 = 45049
HEIGHT (METERS) 0.499 0.50 - 0.499 1.500 - 2.499 2.500 - 2.499 2.500 - 3.499 2.500 - 4.499 5.00 - 4.499 5.00 - H. 199 5.00 - H. 199 EAN HS(M) = 2.23 PHASE WAYE SHORE HEIGHT (METERS) 0 0.49	4-0 8 37 130 59 1568 78 689 78 10 10 10 10 10 10 10 10 10 10 10 10 10 1	1- 8 1- 50 27558 275582 275582 275582 275582 3060 	90 0 6 6 5 9 9 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD 1 1 2500440 1 1 2500440 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SECON 3 8 5 6 7 4 4 4 3 1 9 3 3 0 1 9 3 3 0 1 9 2 3 1 1 9 2 3 1 1 9 2 3 1 1 9 2 3 1 9	13 13 13 13 13 13 13 13 13 13 13 13 13 1	151 11 6140333337 NU L=6.140333336 CA10211 4-1 1-8.10 11 11 11 11 11 11 11 11 11 11 11 11 1	18.2-2 22.2 3 3 MBER 0 17.52 10.1111 18.2-2	22.3- LONGER 	101 18121 15505 115553 9206 66083 29377 1426 = 45049
HEIGHT (METERS) 0.499999999999999999999999999999999999	4-0 8 37 130 37 130 78 689 78 10 10 10 10	1-0 0-1-5-20-24-60-25-5-4 27-25-98-60-25-5-4 27-25-98-60-25-5-4-1-5-2-5-7-98-60-8 142-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	910 6.688933055255710 910 6.5543581412528 900 76528960571 55 0 9 WATE 6.5 5755475916531 4441 1 1 2 6 6 5755475916531 12 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	PEO 1 250300 1 1 24765 A DH : 1 0-7 605475063 B A ZG R : 605475063 C W A EI PEO 1 1347575063 C VOW A EI PEO 1 13475757063 C VOW A EI PEO 1 1347577063 VOW A EI PEO 1 134757706 C VOW A EI PEO 1 134757706 C	CON-3 CO	1 1505HB 1 160HB 130526575 1 150866912 1508669	11 61403777307 N A):08 11 614037736	18.2-2 3	22.3- LONGER 	10101163360033776 10105360033776 1050500603776 105050060754 105050060754 105050060776 105050060776 105050060776 105050060776 105050060776 105050060776 105050060776 105050060776 105050060776

PMASE I WAVE AL SHOREL PERCENT	ST 52 PROACH ANGI ON STARTE INE ANGLE = OCCURRENCI	20 YEAR LE(RELATIYE 12.73N/124 148.0 (DE E(X1000) OF						
HEIGHT(METERS)	4,4~ 6,1~	8,1- 9.6; 9.5 10.	PERIOR 10.6-	SECOND	(§) 3.4- 15	6.1 22.2	22.3- LONGER	TOTAL
0.500 - 1.2233.499 2.5000 - 2.233.499 2.5000 - 2.233.499 2.5000 - 2.233.499 2.5000 - 4.499 2.5000 - 4.499 2.5000 - 4.499	10 106 10 106 104 104 104 104 104 104 105 107	20 107 220 127 228 227 237 242 127 242 251 257 257 257 257 257 257 257 257 257 257		··· 35-110897	: : : : : ! !			1487710748 1222
MEAN HS(M) = 3.22	LARGEST H	S(M) = 6.77	MEAN	TP(SEC)) = 9.1	. NUMBER	OF CASES =	702
PHASE T WAYE AR LAT L SHOREL PERCENT	ST 52 PROACH ANG DN. START= 6 INE ANGLE = TOCCURRENCI	20 YEAR LE(RELATIVE 42.73N/124. 148.0 (DE E(X1000) OF						
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8,1- 9,6; 9.5 10.	PERIO)(SECOND 11,8-1	(§) 3.4- 15	8.1 18.2 8.1 22.2	22.3-	TOTAL
0.499 0.499 1.499 1.500 - 1.499 1.5000 - 1.223.499 2.5000 - 3.449 2.5000 - 4499 1.5000	i : : : : : : : : : : : : : : : : : : :	ó ó	, 11.7 : : : : :	i	0		i condex	91000000000
MEAN HS(M) = 0.65	LARGEST H	5(M) = 0.65	MEAN	TP(SEC)	= 5.9	NUMBER	OF CASES =	1
PHASE A HAVE A LAT SHORE L PERCEN	ST.52 PPROACH ANG ON STARTE (HE ANGLE = TOCCURRENCI	20 YEAR LE(RELATIVE 42.73N/124: 148.0 (0:6 E(X1000) OF	HAVE DIF TO SHOP SIW AZ) HEIGHT	RECTION RELINE I LAT. LON- WATER AND PER	STATIST N DEGRE N END= DEPTH =	ICAL SUMM ES)= 165. 42.61N/12: 10.00 F DIRECTION	ARY 0 - 180.0 14.0W 1ETERS	
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8,1- 9,6; 9.5 10.	PERIO	11,8-1	(§) (3.4- 15	8.1 18.2 8.1 22.2	22.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 1.49 1.500 - 1.49 2.500 - 2.49 3.500 - 3.49 3.500 - 4.99 4.500 - 4.99 5.00 + TOTAL MEAN HS(M) = 0.	Ö Ö	·		0 TP(SEC)			i LUNGER	000000000000000000000000000000000000000
					•			•





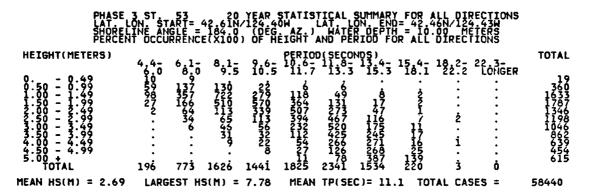
MIS STATION 52 (42.73N/ 124.51W TO 42.61N/ 124.40W)

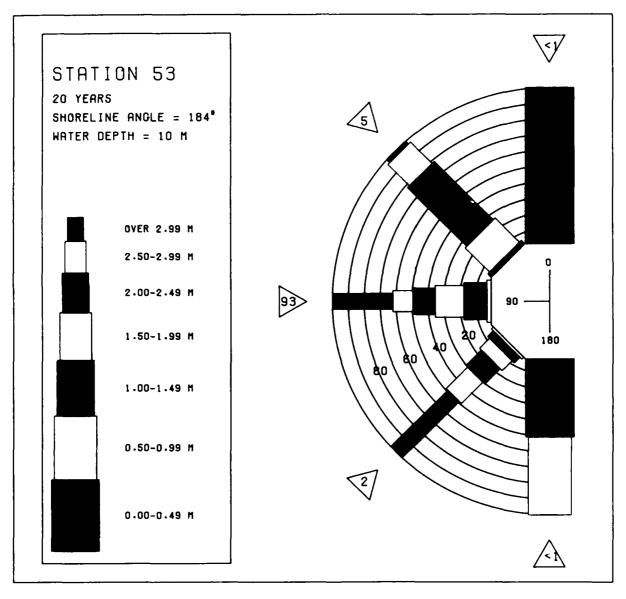
		MID D	IXIIO	N 32	(42	. / 314/	124.	DIM I	U 42.	O TUAN	144.4	UMI	
						MONT							
	JAN	FEB	MAR	APR	MAY	MUL	JUL	AUG	SEP	OCT	NOV	DEC	
Y14111114456789012345	MAYANNYANANANANANANANANANANANANANANANANA	のてんかのけんにんしんのこうとがからからい	MONTH TO THE TOTAL OF THE TOTAL	2004441200477999467478	99779945568349677017	742422646665146578861	NAME OF THE PROPERTY OF THE PR	いまれているようなのできないようないと	47682357436826373047	ついかいかんのユーアードからかののかしく	7+109506mcvv7+15++4v-17151-1	M9068-12968064-19-17-6-12	Non-644474474040400000000000000000000000000
MEAN	3.6	3.5	3.0	2.3	1.7	1.5	1.3	1.2	1.5	2.4	3.2	3.8	
				ARGES		_	. – .						
		MIS S	TATIO	N 52	(42			51H T	0 42.	61N/	124.4	OM 3	
						MONT							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
YEAS-789012345-6789012345-6789012345-6789012345-6789012345-67890777775	12724646428537097901	56666646554446665556555	0505697755739968 <u>45784</u>	3-1886659694059697097	7-2-64500-69-4500 การการเการ จะกระทวงการกระบางการการการการการการการการการการการการการก	840-ISO-BOLLTON-BOLLTO	1090-1589-57-05290407-28	995025534989507701118	1705700474010477472 2701710400477000000000000000000000000000	74454446754545454544	2449000772m-1741-666m2	56655477665757646666	
20 YR.	STAT	ISTIC	S FOR	PACI	FIC S	TATIO	N 52	(42.7	3N/ 1	24.51	H TO	42.61	N/ 124.40W
MEAN ST MOST FF STANDAS STANDAS STANDAS WAVER AGE WAVER AGE DATE											METER SECON DEGRE METER SECON METEON SECON DEGRE		2.4 11.0 60.0 2.4 8.7 95.9 74011515

PHASE MAYE LAT SHOREN PERCEN	3 ST 53 APPROACH AN ON. START= INE ANGLE IT OCCURREN	GLE(RELATI 42.61N/12 = 184.0 CE(X1000)	AR WAVE DI IVE TO SHO 24.40W (DEG. AZ.) OF HEIGHT	RECTION ST RELINE IN I LAT. LON. WATER DE AND PERIO	ATISTICAL S DEGREES)= END= 42.461 PTH = 10.01 D BY DIREC	BUMMARY 0 - 14.9 1/124.43W 0 METERS TION	
HEIGHT(METERS)	4,4- 6,1 6.0 8.			0(SECONDS) 11.8- 13. 13.3 15		3.2 <mark>- 22.3-</mark> 22.2 LONGER	TOTAL
001122337449 001122337449 00000000000000000000000000000000000	6.0 8. 	0 9.5 1	10.5 11.7 	13.3 15	.3 18.1 7	22.2 LONGER	0000000000
MEAN HS(M) = 0.	LARGEST	HS(M) = 0.	. MEAN	TP(SEC) =	O. NUME	BER OF CASES	= 0
PHASE WAYE LAT FACRE SHORE PERCEN HEIGHT(METERS)	3 S(53 PPROACH AN ON. STARTE INE ANGLE IT OCCURPEN						TOTAL
	4;4- 6;1 110 8:	0 9.5	9.6- 10.6- 10.5 11.7	13.3 15	4- 15.4- 18 3 18.1	3.2- 22.3- 22.2 LONGER	
99999999999999999999999999999999999999	11						110000000000000000000000000000000000000
MEAN HS(M) = 0.03	LARGEST	HS(M) = 0.	.07 MEAN	TP(SEC) =	4.7 NUME	BER OF CASES	= 7
PHASE WAYE A LAT I SHORE PERCEN HEIGHT(METERS)	3 ST. 53 APPROACH AN ON. STARTE INE ANGLE IT OCCURREN		AR WAVE DI IVE TO SHO 24.40W (DEG. AZ.) OF HEIGHT	RECTION ST RELINE IN LAT. LON. WATER DE AND PERIO D(SECONDS)	ATISTICAL S DEGREES) = END= 42.461 PTH = 10.00 D BY DIRECT		TOTAL
	3 ST ACH AND ACH AND ACH ACH ACH ACH ACH ACH ACH ACH ACH ACH	8 9 15 15 15 15 15 15 15 15 15 15 15 15 15	AR WAVE DIL 1 VE 40W AZ) 1 OF HEIGHT 9 6-5 1016-7 1049 44 1049 44 1049 44 1049 44 1049 44 1049 44 1049 44 105 11 105 11	RECTION ST RELINE IN LAT LON DE WATER DE AND PERIOD C(SECONDS) 113.3 1 1 13.3 1 1 13.5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ATISTICAL SPECIAL SPEC	SUMMARY 74.9 45.0 74.9 45.0 74.9 5.0 METERS FION 8.2- 22.3- 22.2 LONGER 	TOTAL 1531 1531 1672 1506 1833 1373 1373 150
HEIGHT (METERS) - 0.9499 1.2233499 - 0.505000 4.999 - 1.2233499 - 1.2233499 - 1.2233499 - 1.2233499	4.4- 6.1 6.0 81 5.44 768 930 1006 1 246 1 34 1 246 1 1743 4462	0 9 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	PERION 10.6-	0(\$EÇONDS) 113.3 115 1 1	4- 15.4- 16.3 18.1 16.1 16.1 16.1 16.1 16.1 16.1 16.1		153750 153750 153750 15373150
HEIGHT (METERS) 0 - 0 . 499 0 . 0 . 999 1 . 500 - 1 . 949 2 . 500 - 2 . 949 2 . 500 - 2 . 999 4 . 500 - 4 . 499 5 . 500 + 4 . 99 5 . 500 + 4 . 99 5 . 600 + 4 . 99 TOTAL MEAN HS(M) = 1.38	4,4- 6,1 84,7-6 544 769 769 769 183 1006 1 246 1 34 1 446 1743 446 LARGEST APPROSTANCE 1716 CCURREN	- 8 1 - 6 1	PERIO 10.6-7 10.6-7 10.4-9	13.3 15 13.3 15 13.3 15 1.3 15	4- 15.4- 16.1 16.1 16.1 16.1 16.1 16.1 16.1 16.	22- 22 3- 22.2 LONGER 	1531 1531 1531 16636 1893 1237 1350 = 5333
HEIGHT (METERS) 0 - 0 - 49 0 - 0 - 99 1 - 50 - 1 - 99 2 - 50 - 2 - 99 2 - 50 - 3 - 99 3 - 50 - 4 - 99 5 - 0 - 4 - 99 5 - 0 - 4 - 99 MEAN HS(M) = 1.38 PHASE WAYE SHORE SHORE HEIGHT (METERS)	4.4- 6.1 645 7687 183 12066 1 246 1	- 8 0 1 - 5	PERIO 10.6-7 10.6-7 10.6-7 10.4-6-7 10.4-51 10.4-51 10.4-51 10.4-51 10.4-51 10.4-51 10.4-51 10.4-6-7 10	13.3 15 13.3 15 13.5 15 13.	ATISTICAL DEGREES)= END= 42.4610 DBY DIREC	22- 22 3- 22.2 LONGER 	166 1531 1663 1863 189 123 137 135 0
HEIGHT (METERS) 0 - 0 . 499 0 . 0 . 999 1 . 500 - 1 . 949 2 . 500 - 2 . 949 2 . 500 - 2 . 999 4 . 500 - 4 . 499 5 . 500 + 4 . 99 5 . 500 + 4 . 99 5 . 600 + 4 . 99 TOTAL MEAN HS(M) = 1.38	4-0 6.8 7637667767766776677667766776677677677677	- 8 1 - 6 1	PERIO: 7 10 16 - 7 10 16 - 7 10 16 - 7 10 16 17 16 16 16 17 16 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 17 17 17 17 17 17 17 17 17 17 17 17	SECONDS) 113.3 1. 13.3 1. 13.3 1. 15. 16. 17. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18	ATISTICAL TOTAL	322- 22 3- 22.2 LONGER 	16661237350 15676369377350 1237350 1237350 123737350 1237373688077273 12576478807273 1257647807273

PHASE LATTREE HAYE SHORE HAYE LATTREE HEIGHT (METERS) C. 50 - 0.499 11.50 - 1.499 12.50 - 2.499 12.50 - 3.499 13.50 - 4.99 13.50 - 4.99 13.50 - 4.99 15.00 - 4.99 15.00 - 4.99 15.00 - 4.99 15.00 - 4.99 15.00 - 4.99 15.00 - 4.99 15.00 - 4.99 15.00 - 4.99 15.00 - 4.99 15.00 - 4.99 15.00 - 4.99 15.00 - 4.99 15.00 - 4.99 15.00 - 4.99 15.00 - 4.99 15.00 - 4.99 15.00 - 4.99 15.00 - 4.99	APPROACH APPROACH LON STAGE AT OCCUR 4.4-0 11 29 6.0 11	53 ANGL: RT= = E RT= = E 6 .1 - 0 2788 604 1248 1	20100 0100 0100 0100 0100 0100 0100 010		PEO: 12884439540					RY - 134.9 FERS - 22.3- LÖNGER	TOTAL 00 1500 2806 5451 54584 4240 2331
MEAN HS(M) = 3.27	LARGE	ST HS	(M) =	7.29		P(SEC		1 NUI	1BER OI	CASES =	1945
	3 ST APPROACH LON STA LINE ANG NT OCCUR	53 ANGL RT= 4 ELE = RENCE	20 YI E(RELA 2.61N/ 184.0 (X1000					TICAL EES)= 4246 = 101	SUMMAR 135.0 50/124 00 ME1 CTION	RY - 164.9 .43W TERS	
HEIGHT(METERS)	4.4- 6.0	6.1- 8.0	8.1- 9.5	9.6- 10.5	PERIOD (SECONI)§) [3 <u>.</u> 4-]	5.4- 1 18.1	18.2- 2 22.2	22.3- LONGER	TOTAL
0 0.49	°į	ė.u	7.5	10.5	11.7	13.3	19.3	10.1		·	ł
99999999999999999999999999999999999999	Ī	1ģ	i	:	:	•	•	•	•	•	1512700000
2.00 - 2.49 2.50 - 2.99	:	-6 •	ī		:	:		:	:	•	7
3.00 - 3.49 3.50 - 3.99		:	•	•	:	•	•	•	:	•	8
4.00 - 4.49 4.50 - 4.99	:	:	•	:	•	•	:		:	•	8
5.00 + TOTAL	4	24	ż	ŏ	ò	ò	ò	ò	ō	Ö	0
MEAN HS(M) = 1.46	LARGE	ST HS	(M) = :	2.09	MEAN T	P(SEC) = 7.	וטא ס	1BER OF	CASES =	21
PHASE WAYE LAT SHORE PERCEN HEIGHT(METERS)	3 ST APPROACH LON. STA LINE ANG VT OCCUR				VE DIRECTOR SHOPE OF					RY - 130.0 FERS	TOTAL
0 0.49	6.0	6.1- 8.0	8,1-	9.6- 10.5	111.7	13.3	15.3	5.4- 1 18.1	18.2- 2 22.2	22.3- LONGER	n
99999999999999999999999999999999999999	•	:	:	:	:	•	:	:	:	:	0000000000
1:50 - 1:99	:	:	:				:	:			Ŏ
2:50 - 2:99 3:00 - 3:49	:	•	:	:	•	•	•		:	•	Õ
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99	•	•	:	:	:	•	:	:	•	:	§
4.50 - 4.99 5.00 +		ò	Ö	å	•		å			:	8
IUIAL	U	U	U	U	Ò	Ö	U	Ó	Ŏ	U	

MEAN HS(M) = 0. LARGEST HS(M) = 0. MEAN TP(SEC) = 0. NUMBER OF CASES = 0





HIS STATION 53 (42.61N/ 124.40W TO 42.46N/ 124.43W) MONTH

						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	• •						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890-1234567890-12345 E6518156666666665777777 E650999999999999999999999999999999999999	1,001-040m004/mm194mm9h	407729411002-107947-104	1971-1974-1984-1984-1984-1984-1984-1984-1984-198	67-no-automatorational-transma	NO. 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	954549-6979725856-1099	4m7-642248677mm6-1804m	421546-1606215215447-15848	69804570759148596578	20202222000000000000000000000000000000	15450017-6466655	5302-10-630-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5	Zhino7776677766inno879404 Environnonnonnonnonnonnonnon E
MEAN	3.8	3.8	3.3	2.7	2.0	1.7	1.5	1.4	1.7	2.7	3.6	4.1	

LARGEST HS(METERS) BY MONTH AND YEAR

MIS STATION 53 (42.61N/ 124.40W TO 42.46N/ 124.43W)

MONTH

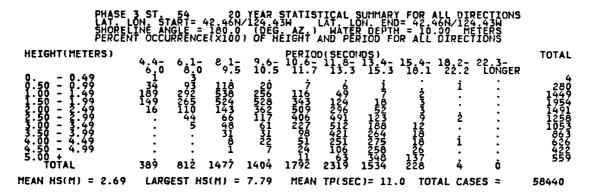
	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 85556666667777777 11111111111111111111111	64666655756554666675	87.440.40-00-117.458-174	859-172450770472-17378	5466445754474554545464	กากกากงากกากงากงากงากงากงากงากงากงากงากง	กับเกรียน ค.ศ. ค.ศ. ค.ศ. ค.ศ. ค.ศ. ค.ศ. ค.ศ. ค.ศ	5-164217-100-15084-108217-60	かっしょう かっとう かっとう かっとう かっとう かっとう かっとう かっとう かっと	480400 ขณาวทาวทางเกตเอากา	45500000000000000000000000000000000000	456665656664667666664	56666566666767656666

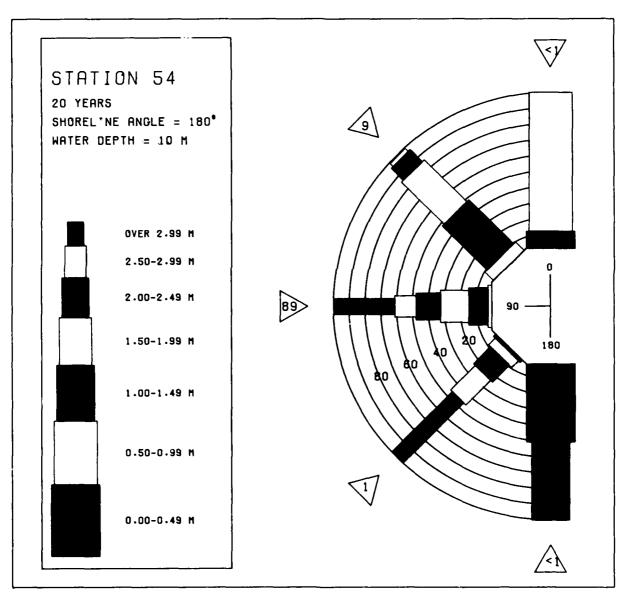
20 YR. STATISTICS FOR PACIFIC STATION 53 (42.61N/ 124.40W TO 42.46N/ 124.43W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2.7
MEAN SIGNIFICANT WAVE HEIGHT MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	30:1
STANDARD DEVIATION OF WAVE HS (METERS)	71.3
STANDARD DEVIATION OF WAVE TP (SECONDS)	2.4 7.8
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	16.7
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	69121203

	3 ST 54 APPROACH AN LOM. START= LINE ANGLE NT OCCURREN	GLE(RELATIVI 42.46N/124 = 180.0 (DI CE(X1000) O				MARY 24.43W METERS N	
HEIGHT(METERS)	4,4- 6,1 6.0 8.	8,1- 9,6 9.5 10	PERIOD(9 - 10,6- 11	ECONDS) 8- 13.4- 3.3 15.3	15.4- 18.2 18.1 22.	- 22.3- 2 LONGER	TOTAL
0.500 1.2499 1.2500	6.0 8.	0 9.5 10 :	11.7 1 	3.3 15.3 	18.1 22.		0000000000
MEAN HS(M) = 0.	LARGEST	HS(M) = 0.	MEAN TP	(SEC) = (). NUMBER	OF CASES =	. 0
	3 ST APPROACH AN LON. START= LINE ANGLE NT OCCURREN	GLE(RELATIVI 42.46N/124 52.46N/124 62.46N/124 62.81000) OF					
HEIGHT(METERS)	4.4- 6.1 6.0 8.	8,1- 9,6 9.5 10	5 11.7 1	8- 13.4- 3.3 15.3	15.4- 18.2 18.1 22.	- 22.3- 2 LONGER	TOTAL
99999999999999999999999999999999999999	167 32 1264 287 139 458 102 71 1 8 	i	,			ò	155977 155977 100000000000000000000000000000000000
MEAN HS(M) = 1.49	LARGEST	HS(M) = 2.64	MEAN TP	(SEC) = !	5.7 NUMBER	OF CASES =	1950
PHASE WAYE LATOR SHORE PERCE	3 ST APPROACH AN LON. START: LINE ANGLE NT OCCURREN	GLE(RELATIVI 42.46N/124 18000 (DI CE(X1000) O	WAVE DIRECTO SHOREL 43W LAT GHEIGHT AN	TION STAT INE IN DEC LON. EN LATER DEPTI ID PERIOD I	[STICAL SUM SREES)= 45 42.46H/1 1 = 10.00 34 DIRECTIO	MARY 0 - 74.9 24.43W METERS N	
PHASE WAVE LAT SHORE PERCE HEIGHT(METERS)		GLE(20 YEAR GLE(RELATIVI 42.46N/124 = 180.0 CE(X1000) OI	PERTODIS				TOTAL
	3 ST ACH SANGLEN APPROACH APPR		PERIOD(S) 10.7 11.6 662 4701 664 615 615 615 615 615 615 615 615 615 615	SECONDS 1	[STICAL SUM SREES) = 45 1 = 10:46N/1 1 = 10:10 15:4- 18:2 18:1 22: 		TOTAL 467 483349 1534936463 152497 100
HEIGHT (METERS)	464- 6 1 15 29 136 5456 499 16948 1 1745 1 25 1 323 5034	8 9 1 5 10 9 9 1 9 10 4 20 0 28 2 1 7 4 2 5 10 2 1 7 4 2 5 5 10 1 1 5 5 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD(S) 10.6.7.1 662 770 663 770 663 770 770 770 770 770 770 770 770 770 77	EECONDS) 3 3 15 4 3 13 5 5 1 6 1 22 1 1 8	15.4- 18.2 16.1 22.		147499063364041 1483364041 1083364041
HEIGHT (METERS) 0.499	44-6.1 150 5476 130 16948 1499 16948 1 1745 1 1745 1 1745 1 1323 5034 LARGEST 1 1323 5034 LARGEST 1 1323 5034 LARGEST 1 1323 5034 LARGEST	4 20 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PERIODIS 10.7 1 662 70 662 70 653 70 653 MEAN TP WAYE SHORECT 43M LAT GHEIGHT AN	ECONDS) 3 3 15.3 13 5 13 5 14 5 15 1 22 7 17	15.4- 18.2 16.1 22. 	22.3- 2 LONGER 	4677490 1483390 4335463 1520439 1700 7360
HEIGHT (METERS) 0.99 0.90 0.949 0.9	44-6.1 150 5476 130 16948 1499 16948 1 1745 1 1745 1 1745 1 1323 5034 LARGEST 1 1323 5034 LARGEST 1 1323 5034 LARGEST 1 1323 5034 LARGEST	301- 30- 4000 300 17425- 1520 114 1520 11	PERIODIS 10.6 66 70 70 70 70 70 70 70 70 70 70	ECONDS) 33 15.3 13 5 13 5 14 5 15 6 16 16 17 17 10 17 10 17 18 10 17 17 18 10 17 17 18 10 17 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	15.4- 18.2 16.1 22. 	22.3- 2 LONGER 	46774 43749 43349 13546 20438 170 0 7360
HEIGHT (METERS) 0.499	4 - 6 8 2476648 4 - 6 8 247664 8 1 6 7 7 7 2 1 1 3 2 3 5 0 3 4 1 3 2 3 5 0 3 4 1 3 2 3 5 0 3 4 1 3 2 3 3 3 1 4 2 1 4 5 1 3 3 3 3 1 4 2 1 4 5 1 3 3 3 3 1 4 2 1 4 5 1 1 3 3 3 3 1 4 2 1 4 5 1 1 3 3 3 3 1 4 2 1 4 5 1 1 3 3 3 1 4 2 1 4 5 1 1 4 5 1 1 4 5 1 1 1 4 5 1 1 1 1	301- 30- 4000 300 17425- 1520 114 1520 11	PERIOD 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-3 1 -3 5 5 1 -3 5 5 5 5 7 6 7 8 5 5 6 7 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4- 18.2 18.1 22. 18.1 22. 0 0 7.9 NUMBER 18.2 4- 18.2 19.4 19.4 19.4 22.3- 2 LONGER 	467,499,653,879,00 47,333,649,419,33 148,335,649,45,35 144,159,45,45,59,45,45,45,45,45,45,45,45,45,45,45,45,45,	

PHASE AL WAYE AL SHOREL PERCEN	STACH ANG PROACH ANG ON STARTS INE ANGLE S OCCURRENCE	20 YEAR LE(RELATIVE 42.46N/124 180.0 E(X1000) OF	HAVE DIR TO SHOR 43W (G. AZ.) HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIST N DEGRE L END= DEPTH =	TCAL SUMMES)= 105, 42.46N/12 10.00 DIRECTION	ARY 0 - 134.9 14.43W 1ETERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8,1- 9.6 9.5 10	PERIOD 5 10.6-7	(SECOND 11.8- 1 13.3	(§) 3.4~ 15 15.3 1	8.1 22.2	22.3- LÖNGER	TOTAL
- 0.499 - 0.499 - 1.499 - 1.223 - 1.500 - 1.50	13 41 6 87 . 115 . 1	1004 1004 1004 1007 1007 1007 1007 1007	1307 985 1547 168	· · · · · · · · · · · · · · · · · · ·	11248		:	177757 177757 124437709 177709
TOTAL	19 301	706 508				i ò	Ö	
MEAN HS(M) = 3.39	LARGEST H	S(M) = 7.79	MEAN	TP(SEC)	= 10.2	NUMBER	OF CASES =	1594
PHASE I WAYE L LAT L SHOREL PERCEN	ST 54 PROÀCH ANG DN. START= INE ANGLE = T OCCURRENC	LE(PELATIVE 42.46N/124, 180.C (DE E(X1000) OF						
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8,1- 9,6 9.5 10	PERIOD - 10.6- 5 11.7	(SECOND	(§) 3.4- 15 15.3 I	.4- 18.2- 8.1 22.2	22.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 1.49 1.500 - 1.99 2.500 - 2.49 2.500 - 3.49 3.500 - 4.99 4.500 - 4.99 5.00 + 4.99 TOTAL	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;							00308000000
MEAN HS(M) = 1.85	LARGEST H	5(M) = 2.36	MEAN	TP(SEC)	= 6.5	NUMBER	OF CASES =	12
PHASE A WAVE A SHOREL PERCEN	ST 54 PROACH ANG N START= NE ANGLE = T OCCURRENC	LE(RELATIVE 42.46N/124 180 0 (DE E(X1000) OF					ARY 0 - 180.0 4 43W ETERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6 9.5 10	PERIOD 5 10.6- 5 11.7	(SECOND 11.8- 1	(§) 3.4- 15 15.3 1	.4- 18.2- 8.1 22.2	22.3- LONGER	TOTAL
0 499 0 499 0 - 1 999 1 - 1 223 1 223 1 223 1 249 1 223 1 249 1 24		ö	Ö		ò			00000000000
MEAN HS(M) = 0.	LARGEST H	5(M) = 0.	MEAN	TP(SEC)	= 0.	NUMBER	OF CASES =	0





HIS STATION 54 (42.46N/ 124.43W TO 42.46N/ 124.43W)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R5555666666666677777 E99999999999999999999	noor-mononograpy	mantanamanayamatana	คลากคณาณาณากระการคาร คลากคณาณากระการคารคารคารคารคารคารคารคารคารคารคารคารคา	いるいっていいいっということのできることのことのことのことのことのことのことのことのことのことのことのことのことのこ	からしているとうののからからないというと	05466070817:68602204	550755550000555799-04	55656464626555576954	598-4670768148595279	ณฑาร () รายการ เล่า การ เล่า	กลากกากสากการแกรกการสารการการสารการการการการการการการการการการการการกา	59-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6	N55977766777665159869194 EANACHARACACACACACACACACACACACACACACACACACA
MEAN	3.8	3.7	3.3	2.7	2.1	1.8	1.6	1.5	1.7	2.7	3.5	4.0	

LARGEST HS(METERS) BY MONTH AND YEAR

MIS STATION 54 (42.46N/ 124.43W TO 42.46N/ 124.43W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC
Y1199666789012345	90905054757645005080	8940518257841644731	54999111265685717947	2710118578697517178 546644571544745154646	7-64-64-66-18ให้กราบเมือง กรากการแรกการแผนสามารถ	จ-องเสตส์จ-องเกางองเกาตอบกา	466เกษฯของพระบริการเลยา	พาสตาราชาเทรอการาชาง	479214012172667493777	4555646646464544484	5407759642701914191	56566566666676765666

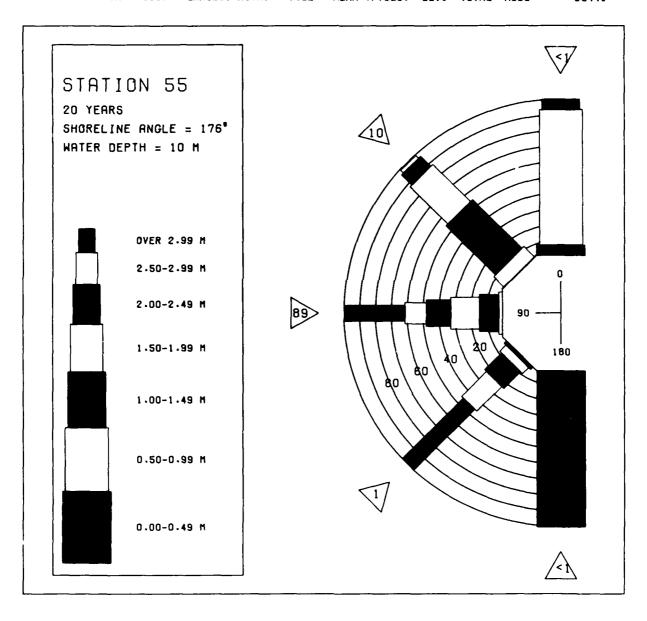
20 YR. STATISTICS FOR PACIFIC STATION 54 (42.46N/ 124.43W TO 42.46N/ 124.43W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2.7
MEAN PEAK WAVE PERIOR	11.0
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND : (DEGREES)	90.0
MÔST FREGUENT 30-0 DEGRÉE (CENTER) DIRECTION BAND : : (DECRÉES) STANDARD DEVIATION OF WAVE HS (SECONDS) STANDARD DEVIATION OF WAVE TP (SECONDS)	1.3
	3.5
WAYE TP ASSOCIATED WITH LARGEST WAYE HS (SECONDS)	,7· 8
MAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONOS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	165.4
MÂYÊ TH ÂSSOCIATED WITH LARGEST MAYE HS	740ĪĬŠİŻ

PHASE HAYE LELE HAYE LELE HEIGHT (METERS) - 0.49 - 0.99 - 1.99 - 2.99 - 2.99 - 2.99 - 2.99 - 2.99 - 2.99 - 3.49 - 4.99 - 4.99 - 4.99 - 5.00 - 4.99 - 5.00 - 4.99 - 5.00 - 4.99 - 5.00 - 4.99 - 5.00 - 4.99 - 5.00 - 4.99 - 6.99 -	3 ST CH 55 SPPROACH ANGLE = 1 INE ANGLE = 1 OCCURRENCE	8,1- 9,6,5 9,5 10,5 		ONDS) - 13.4- 15.4 3 15.3 18.	4L SUMMARY 14. 25K/124.45W 14. 6.00 METERS RECTION 182-2 22.3- 1 22.2 LONGER	TOTAL 00 00 00 00 00 00 00 00 00 00 00 00 00
PHASE ALATTREL WAYE ALATTREL PERCENT P	4.4- 6.1- 6.0 8.0 224 65 1504 65 83 102 		PERIOD(SEC 10.6-11.8 11.7 13.	ONDS) - 13.4- 15.4 3 15.3 18.	AL SUMMARY 3 44. 25 15. 0 44. 44. 62 63 64 64 64 64 64 64 64	TOTAL 099 19535 1536 000 0
PHASE WAYE LAT. ELAT. EL	4.4- 6.1- 9.7 1.21 6.918 3.7 1.21 1998 3.08 1471 2.2 		PERIOD(SEC 10.6-11.8 11.7 13.1 207 18 207 18 207 16 894 32 270 29 10 17 10 17 3	ON STATISTIC E IN DEGREES LON. END= 42 ER DEPTH = 42 PERIOD BY DI ONDS) = 13.4-15.4 3 15.3 18. 1		TOTAL 5629 16679 68017532 14633 1330 0
PHASE ALAVAMENT AND AND AND AND AND AND AND AND AND AND	4,4-0 6.8.1-0 35.5 25835 325.25222 123.3	6.1- 9.6- 9.5 10.5 595 123 2464 1827 2571 3420	PERIOD (SEC 11.6-11.8 10.6-11.3 10.6-11.3 10.71 13.65 10.71 120.66 10.75 120.66 10.		18.2- 22.3- 1 22.2 LONGER	TOTAL 288133 152060996627 119598993

PHASE MAVE A LAT SHORL PERCEN	3 ST 55 PPROÀCH ANG ON START= INE ANGLE = T OCCURPENC	20 YEAR LE(RELATIVE 42.35N/124. 176.0 (DE E(X1000) OF	HAVE DIRI TO SHORI 43W L/ G AZ L/ HEIGHT	ECTION : ELINE II AT. LON HATER I	STATISTIC N DEGREES END= 42 DEPTH = 1 IOD BY DI	AL SUMMAR)= 105.0 .25N/124 0.00 MET RECTION	Y - 134.9 45W ERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6 9.5 10.	PERIOD:	(SECO: 1)	§) 3.4- 15.4 15.3 18.	- 18.2- 2 1 22.2	2 3- LONGER	TOTAL
99999999999999999999999999999999999999	i 41 6 30 8 83 . 112 	10 10 10 10 10 10 10 10 10 10 10 10 10 1	. · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			: : : : : :	01175556929 1596012317 2444321
MEAN HS(M) = 3.48	LAKEESI M	S(M) = 7.49	FIEAN	TP(SEC)	= 10.1	NUMBER OF	CASES =	1416
PHASE NAVE ALAY LAY LAY SHOREL PERCEN	3 ST 55 PPROÀCH ANG ON STAPT= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIVE 42.35N/124. 176.0 (DE E(X1000) OF					164.9 450 ERS	
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8,1- 9,6 9.5 10.	PERIOD:	SECOND	§) 3.4- 15.4 15.3 18.	- 18.2- 2	2.3- LÖNGER	TOTAL
99999999999999999999999999999999999999	3 13 3 13 . 8				0 0		: : : : : : :	1680000000
MEAN HS(M) = 1.87	LARGEST H	S(M) = 2.34	MEAN T	TP(SEC)	= 6.4	NUMBER OF	CASES =	17
PHASE WAVE A LAT L SHOPEL PERCEN	3 ST. 55 PPROACH ANG ON. START= IME AMGLE = T OCCURRENC	LE(20 YEAR LE(RELATIVE 42.35N/124 176.0 E(X1000) OF	HAVE DIR TO SHOR 43W L G AZ } HEIGHT	ECTION : ELINE II AT. LON WATER : AND PER	STATISTIC N DEGREES DEND= 42 DEPTH = 1 DOD BY DI	AL SUMMAR)= 165.0 .25N/124 0.00 MET RECTION	Y - 180.0 45W ERS	
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8.1- 9.6 9.5 10.	PERIOD	SECOND 11.8-1	5) 3,4- 15,4	- 18.2- 2 1 22.2	2.3- LONGER	TOTAL
99999999999999999999999999999999999999						: : : : : : : :		00000000000
MEAN HS(M) = 0.	LARGEST H	5(M) = 0.	MEAN	TP(SEC)	= 0.	NUMBER OF	CASES =	0

PHASE LAT. SHOREL PERCEN	3 ST ON. ST INE AN	ART = 4 GLE = RRENCE	2.35N/ 176.0 (X100)	YEAR 124 4 (DEG	STATIS SW AZ EIGHT	TICAL LATE WATE AND PE	SUMMARY ON. END R DEPTH RIOD FO	FOR A = 42.2 = 10.	LL DIE 5N/124 00 ME DIRECT	RECTIONS 145W TERS TIONS	
HEIGHT(METERS)	4.4- 6.0	6,1-	8,1-	9.6- 10.5	PERTO	11.8- 13.3	NDS 1				TOTAL
	38 193 124 12 	1017 1007 1007 1007 1007 1007 1007 1007	1263785594391 1500	273508161228812 253516322812	135197163635 135197163635 17952195215	62113435555 530000440613 13555421 33	7957 15296763 129675336 15330	··2559370557	i : 2 :		407325999480 0147434215 3594208645
MEAN HS(M) = 2.67	LARG	EST HS	(M) =	7.81	MEAN	TP(SE	c)= 11.	0 TOT	AL CAS	SES =	58440



WIS STATION 55 (42.35N/ 124.43W TO 42.25N/ 124.45W)

MONTH

	JAN	FEB	MAR	APR	MAY	MUL	JUL	AUG	SEP	OCT	NOV	DEC	
R07890123456789012345 A55555666666667777777 E9009090909090999090	nauhnnymannannyymn	moultalydaugology	กากกณฑณฑณฑณฑากากการกา	シャラン・サン・カー・カー・カー・カー・カー・カー・カー・カー・カー・カー・カー・カー・カー・	NOVIN 10 10 10 10 10 10 10 10 10 10 10 10 10	24-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	5407559500044557200-154	האים הלים הלים הלים הלים הלים הלים הלים הל	59804679769148595068	10000000000000000000000000000000000000	กลากคลาดเกลาอยากกลากคลา	45-10-1550045-1054558845	Annon-66667-66115-86819-8- Ennouvennessensonsundennessen E
MEAN	3.8	3.7	3.3	2.7	2.0	1.7	1.6	1.5	1.7	2.6	3.5	4.0	
			ι	.ARGES	T HS(METER	S) BY	MONT	TH AND	YEAR	!		

HIS STATION 55 (42.35N/ 124.43W TO 42.25N/ 124.45W)

MONTH

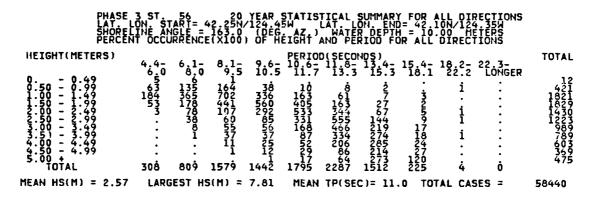
YEAR 15567 5.68 5.54 6.61 7.72 7.22 7.22 7.22 7.22 7.22 7.22 7.2
600151-60-60-60-60-60-60-60-60-60-60-60-60-60-

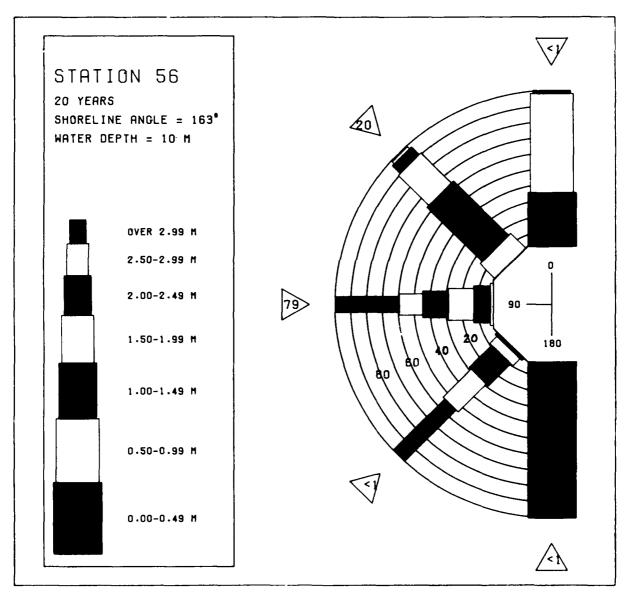
20 YR. STATISTICS FOR PACIFIC STATION 55 (42.35N/ 124.43W TO 42.25N/ 124.45W)

MEAN SIGNIFICANT WAYE HEIGHT (METERS)	2.7
MEAN PEAK MÂVE PERTOD MOST FREQUENT 30 0 DEGREE (CENTER) DIRECTION BAND . (SECONDS) SIANDARD DEVIATION OF MAVE HS (METERS)	90.0
STANDARD REVIATION OF HAVE HS · · · · · · · · · · · (METERS),	1.3
IADGEST WAVE US (METERS)	1.3 7.8 7.8
WAYE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	104.3
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	74011512

PHASE AL SHORE AL SHO	464- 681-0 3	20 YEAR 12 (RELATIVE CARE) 12 (25 N) 12 (42 (25 N) 12	PERIOD(10.6-1 11.7	SECONDS) 1.8- 13.4- 13.3 15.3 	ISTICAL SUMM. GREES) = 0.02 D = 42.10N/12 H = 10.00 M BY DIRECTION 15.4- 18.2- 18.1 22.2		TAL 3000000000000000000000000000000000000
HEIGHT(METERS) - 0.499	4,4- 6,1- 6,7 2,3 5,7 2,6 1,716 13,26 1,716 13,26 1,716 11,16 1,10		PERIOD(: 1016-1)	SECONDS) 188-13.4- 13.3 15.3 	ISTICAL SUMM. GREES) = 15.1 D = 42.10N/12 H = 10.00 M BY DIRECTION 15.4- 18.2- 18.1 22.2	22 3- TOT 22 3- TOT 22 3- TOT 2 30 30 11 11 11 11	50535570 0000 0000
PHASE ALAT PER LATER 4.4- 6.1- 6.0 8.0 2.2 978 119 2018 121 831 109 109 1 109 1 109 1 109 1 109	20 YEAR L 20 YEAR L 220 YEAR L 220 YEAR L 221 YEAR L 221 YEAR L 221 YEAR L 221 YEAR L 221 YEAR L 221 YEAR L 221 YEAR L 221 YEAR L 221 YEAR L 231 YEAR L 242 YEAR L 243 YEAR L 244 YEAR L 245 YEAR L 246 YEAR L 247 YEAR L 248 YEAR	PERIOD (1016-11-7) 1016-11-7 10917 208358 23 7253 11-2 20244 7253 11-2 10939 11-1	SECONDS) 1 4-3 113-3 15-3 862 29-8 862 29-9 1034 29-9 10	ISTICAL SUMM. GREES) = 45 . 12 - 42 . 13 - 10 .00	22 3- LONGER : 300	945623423428 945623423428	
PHASE ALL AVE TO THE PHASE ALL	4.4- 6.1- 27 100 27 1294 29 1645 11 148 	20 LATE 124 LE 1	PER 100 1 10 1 7 20 1 20 1 1 20 1 1 1 1 20 1 1 1 1 1 20 1 1 1 1	SECONOS) 113.3 15.3 15.7 15.7 172.7	11 305 259 10 11 259 11 10 12 12 12 12 12 12 12 12 12 12 12 12 12	22.3- LONGER	98746125761 98746125761

	ST. 56 PROÀCH AN IN START= INE ANGLE TOCCURREN	30 YE GLE(RELAT 42,25N/1 = 1,630 CE(X1000)						
HEIGHT(METERS)	4.4- 6.1 6.0 8.	8,1- 9.5	PE 9.6- 10 10.5 1	RIOD(SE	CONDS) B= 1324=	15.4- 18 18.1 2	2- 22.3	TOTAL
0.50 - 0.49 1.50 - 1.49 1.50 - 1.49 2.50 - 2.49 2.50 - 3.49 3.50 - 3.49 3.50 - 4.49 4.50 - 4.99 5.01 + TOTAL MEAN HS(M) = 3.51	i 13 65 95 5 114 1 39 1 290	; 17	104 104 1044 1044 1044 355 356	13 13 130 670 125 420 96 15	· · · · · · · · · · · · · · · · · · ·		Ö Ö	143689889
MEAN HS(M) = 3.51	LARGEST	13(11) - 7	.46 11	EAR IPC	3EC) -	9.7 NUMB	ER OF CA	3E3 - 1003
	3 ST. 56 PROACH AN ON. START= INE ANGLE TOCCURREN	20 YE GLE(RELAT 42.25N/1 = 163.0 CE(X1000)					SUMMARY 35.0 - 1 1/124.35H METERS ION	54. 9
HEIGHT(METERS)	4,4- 6,1 6.0 8.	0 9.5	9.6- 10 10.5 1	RIOD(SE	CONDS) 8- 13.4- .3 15.3	15.4- 18 18.1 2	2- 22.3	TOTAL
0.49 0.49 0.49 0.49 0.49 1.49 1.249 1	6.0 8. i i 6 i . 8 7 9	0 9.5	10.5 1 : : : :	1.7 13 : : : : :	.3 15.3 : : : : : : : : : : : : : : : : : : :	18.1 2	i i i i i i i i i i i i i i i i i i i	SER 0
MEAN HS(M) = 1.91	LARGEST	HS(M) = 2	.23 M	EAN TP	SEC) = (6.1 NUMB	ER OF CA	SES = 11
	3 ST. 56 PPROACH AN DI. START= INE ANGLE T OCCURREN							
HEIGHT(METERS)	4,45 61.	0 8,1-	9.6- 10 10.5 1	RIOD(5E 16- 11 17 13	CONDS) 8- 13.4- 3 15.3	15.4- 18 18.1 2	.2- 22.3 2.2 LON	TOTAL
- 0.49 0.49 0.49 1.499 1.500 - 1.22 3.5000 - 1.22 3.50500 - 4.99 4.500 - 4.99 1.000 - 1.000 1.000 - 1.000 - 1.000 1.000 - 1.000 - 1.000 1.000 - 1.000 - 1.000 - 1.000 1.000 - 1.				: : : : : :			· · · · · · · · · · · · · · · · · · ·	00000000000
MEAN HS(M) = 0.	LARGEST	HS(M) = 0	. m	EAN TP	SEC) =	O. NUMB	ER OF CA	oes = 0





WIS STATION 56 (42.25N/ 124.45W TO 42.10N/ 124.35W)

MONTH

	HAL	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC	
Y1117890123456789012345 R67890123456789012345 F999999999999999999999999999999999999	ภมคอมการจะเกิดสอบการจะจะ การสาราชาวิธีสาราช	novenementandenemen	mmnacumacumammmmma	46H76M4H669GHG69G7GG	2003-100-1-1-1-20-1-10-100-100-100-100-100-1	85754858797757590007	456642257557555555579	425,550,505,505,504,545,45,45	50707569657077484168	าราราธุนาราขอนจากของของของของของของของของของของของของของข	จะเขาบอยกุ 484,64m44480	41080559851855157750	2448.65เกเก.66เก.4587เก.768ส มีการการการการการการการการการการการการการก
MEAN	3.7	3.6	3.1	2.5	1.9	1.6	1.4	1.4	1.6	2.5	3.4	4.0	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 56 (42.25N/ 124.45W TO 42.10N/ 124.35W)

MONTH

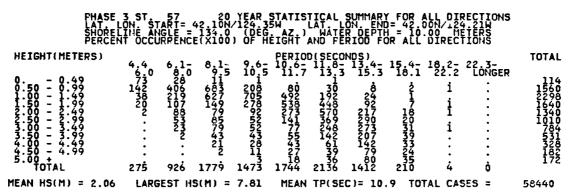
	MAL	. EB	MAR	APR	MAY	HUL	JUL	AUG	SEP	OCT	NOA	DEC
R67890123456789012345 P899996666789012345	010070555555555555756707180	7-15067-14454514546780 5-06-66-65-65-44-6-6-65-6-6-6-6-6-6-6-6-6-6	55544680995545454566556665	75079942245603037461	4506ณฑตบทอนจะไรเธอดายาร การการการการการการการการการการการการการก	ชางงานการของของของของการ ของของการของของของของการทอง	ณฑากลายเกรายากลายเกรายกร	10052667-10262924461-1	94809799664#40700604	98667561898959605091	40740000000000000000000000000000000000	34911129309025717852 56566576665767656666

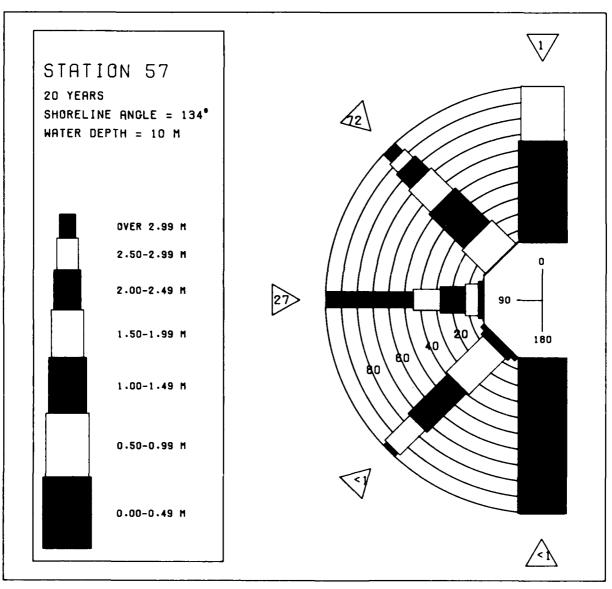
20 YR. STATISTICS FOR PACIFIC STATION 56 (42.25N/ 124.45W TO 42.10N/ 124.35W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2.6
MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	11.0 60.0
MÖST FREQUENT 30 0 DEGRÉE (CENTER) DIRECTION BAND : (DEGRÉES) STANDARD DEVIATION OF MAVE HS (SECONDS) STANDARD DEVIATION OF WAVE TP (SECONDS)	1.2 2.5 7.8
	7.8
AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAYE HS (DEGREES)	100.4
WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS)	16.7 100.4 74011512

PHASE WAYE LAT. PERCE	3 ST 57 APPROACH AN LON. START= LINE ANGLE NT CCCURREN	GLE(20 YEAR) GLE(RELATIVE 42.10N/124. = 134.0 CE(X1000) OF	HAVE DIRECT TO SHOPELIN 35W LAT G AZ) WA HEIGHT AND	ION STATI NE IN DEA LON. END TER DEPTH PERIOD E	(STICAL SUM GREES) = 0)= 42.00N/1; 1 = 10.00 3Y DIRECTION	MARY 24.21W METERS	
HEIGHT(METERS)					15.4- 18.2 18.1 22.3		TOTAL
99999999999999999999999999999999999999	4.4- 6.1 124	9.5 10.	5 11.7 13	.3 15.3	18.1 22.1	E LUNGER	124
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99	: :	: :	•		: :	:	ů Q
TOTAL	12 4 0	Ò Ò	-	j ó	ò ò	Ö	•
MEAN HS(M) = 0.13	LARGEST	1\$(M) = 0.33	MEAN TP(SEC) = !	5.1 NUMBER	OF CASES =	73
		GLE(RELATIVE 42:10N/124: 13:100 (DE EE(X1:00) OF					
HEIGHT(METERS)	4.4- 6.1 598 1374 2537 323 10217 10 277	8 1 9 6 9 5 10	PER10D(SEC 10.6- 11.8 11.7 13	CONDS) 3- 13.4- .3 15.3	15.4- 18.2 18.1 22.	22.3- 2 LONGER	TOTAL
99999999999999999999999999999999999999	598 198 1374 2537 323 1021	81- 9.6 9.5 10.1 90 .				:	806 4001 1400
1 - 1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	10 277	ĬĬ :			: :	:	298800000
3.500 - 33.99 4.500 - 4.49 5.000 - 4.					: :	:	ŏ
4:50 - 4:99 5:00 + TOTAL	: : 2305 404i	: : 167 Ò	i i	: : 	: : • •	: ò	ŏ
MEAN HS(M) = 0.85		HS(M) = 2.23	MEAN TPO		•	OF CASES =	3810
PHASE WAVE LAT SHORE PERCEI	3 ST APPROÁCH ANI LON. STARTE LINE ANGLE NT OCCURREN	GLE(ŘELATÍVE 42:10N/124 134:0 CE(X1000) OF	AAVE DIRECTI TO SHORELIN 35W LAT 35W AZ) WA' HEIGHT AND	CON STATI TE IN DEC LON. END TER DEPTH PERIOD E	STICAL SUM SREES)= 45 = 42.00N/1 = 10.00 BY DIRECTION	1ARY 0 - 74.9 14.21W 1ETERS	
PHASE HAVE LAT. SHORE PERCEI HEIGHT(METERS)			AAVE DIRECT TO SHORELIN 35M LAT AZ LAT HEIGHT AND PERIOD(SE 10,6 11,8	CON STATI	STICAL SUMM REES)= 45 1= 42.00N/1 1= 10.00 15 DIRECTION	1ARY 74.9 24.21W 1ETERS	TOTAL
	4.4- 6.1 6.0 87 47 1502 53 11039 11 39247 		AVE DIRECTION OF THE INTERPOLATION OF THE INTERPOLA	TON IN EPT E CO. 11. CO. 12. C	STICAL SUMM REE 42.00N/1 POIRECTION 15.4-18.2: 27.10 155-10 1856-13 1866-13 1899-10 18	1ARY 74.9 24.21W 1ETERS 2 2.3- LONGER 	TO 11111000000 5 101111000000 5 101111000000 5 1011110000000 5 1011110000000 5 10111100000000
HEIGHT (METERS) 99999999999999999999999999999999999	4.4- 6.1 6.0 87 47 1502 53 1103 68 639 11 324 . 27 	8.1- 9.6. 100 107 6719 2084 6719 2084 1322 2739 1322 819 503 350 304 249 71 22 25	PER IOD (113) 1016-7 10	SOLUTION DE LA CONTROL DE LA C	STICAL SUMM RE 20.000 1 19 DIRECTION 15.4-18.2 18.1 2.5 18.1 2.5 18.1 2.5 18.1 2.5 18.2 10 18.6 15 18.6 15 18.6 15 18.6 15 18.6 15 18.7 10 18.6 15 18.7 10 18.8 10 18.9 10 18.9 10 18.0 10 18	22.3- 2 LÖNGER : : : : : : :	2594413556439 259461563995 259461563995 259461563995 259465372866321
HEIGHT (METERS) 0.499 -0.499	4.4- 6.1 6.0 8.1 47 1502 53 1503 68 6339 11 124 	8.1- 9.6 100 107 6719 2084 6719 2084 1322 2739 503 350 304 249 22 25 15787 13415 HS(M) = 7.15 GLE(RELATIVE 42100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PER 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	COND 3 : 4 - 3 : 5 : 8462266117	15. 4- 18. 2. 10. 12. 3. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	22.3- 2 LÓNGER 	259461566453 2594615356453 2554615359995 1115266580008 91
HEIGHT (METERS) 0.499	4.4- 6.1. 6.0 872 47 1503 68 639 11 324 127 185 3877 LARGEST I	8.1- 9.6 100 107 6719 2084 6719 2084 1322 2739 503 350 304 249 22 25 15787 13415 HS(M) = 7.15 GLE(RELATIVE 42100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PER 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	COND 3 : 4 - 3 : 5 : 8462266117	15. 4- 18. 2. 10. 12. 3. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	22.3- 2 LÓNGER 	25946136564738 259461563995 259461563995 11152665721
HEIGHT (METERS) 0.499 -0.499	4.4- 6.1 6.0 87 47 1503 53 1103 68 639 11 324 . 27 	8.1- 9.6 100 107 6719 2084 6719 2084 1322 2739 503 350 304 249 22 25 15787 13415 HS(M) = 7.15 GLE(RELATIVE 42100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PER 10D (11-7) 100 (11	CONDS 4-3 5-3	15. 4- 18. 2. 10. 12. 3. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	22.3- 2 LÓNGER 	259461566453 2594615356453 2554615359995 1115266580008 91

PHASE 3 WAYE AP LATE SHORELT PERCENT	ST. 57 PROÁCH ANGI N. STARTE NE ANGLE = OCCURRENCI	20 YEAR E(RELATIVE 2.10N/124 134.0 (DE (X1000) OF	HAVE DIR TO SHOR 35W L G AZ) HEIGHT	PECTION PELINE I AT. LON WATER AND PER	STATIST N DEGRE END= DEPTH = IOD BY	ICAL SUMM ES)= 105. 42.00N/12 10.00 H DIRECTION	ARY 0 - 134.9 4 21W ETERS	
HEIGHT(METERS)	464- 61-0	8,1- 9,6	PERIOD 5 11.7	113.3	5) 3.4- 15 15.3 1	6.1 22.2	22.3- LONGER	TOTAL 3
0.500 - 1.000 - 0.000	51 30 1 87 1 104 1 35 1 35	56 11 44 11 11		5	:			30329817300
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99 5.00 +	. 3 . :	11 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	•	: : :		: : : :	:	17 3 0 0
MEAN HS(M) = 2.55		121 2. 5(M) = 4.38	•	TP(SEC)	•	•	DF CASES =	285
PHASE AP WAYE AP LAT LI SHORELI PERCENT	ST. 57 PROACH ANGI N. STARTE NE ANGLE = OCCURRENCE	20 YEAR E(RELATIVE 2 10N/124 134 0 (DE				ICAL SUMM ES)= 135. 42.00N/12 10.00 M DIRECTION	ARY 0 - 164.9 4.21W ETERS	
HEIGHT(METERS)	4,4- 6,1- 6,0 6.1-	8.1- 9.6 9.5 10	PERIOD 5 10.6- 5 11.7	11.8-1 13.3	S) 3.4~ 15 15.3 1	ė4- 18.2- ė.1 22.2	22.3- LONGER	TOTAL
0.50 - 1.499 1.500 - 1.499 1.5500 - 2.499 2.5500 - 2.499 2.5500 - 4.499 2.5500 - 4.500 2.5500 - 4.500 2.5500 - 4.500		•		•	:		•	1000000000
3.00 - 3.49 3.50 - 3.99 4.50 - 4.99 4.50 - 4.99 5.00 - TOTAL	: : : :	ò				: : : : . :	: : :	0000
MEAN HS(M) = 0.02	LARGEST HS	S(M) = 0.02	-	TP(SEC)	•	•	OF CASES =	1
PHASE 3 HAVE AP LAT: LO SHORE IN PERCENT	ST 57 PROACH ANGI N. START 1 NE ANGLE = OCCURRENCE	20 YEAR E(RELATIVE 2.10N/124 134 0 (DE E(X1000) OF	HAVE DIE TO SHOE 35M AZ.) HEIGHT	RECTION RELINE I AT. LON WATER AND PER	STATIST N DEGRE DEPTH = DEPTH = IOD BY	ICAL SUMM ES)= 165. 42.00N/124 10.00 M DIRECTION	ARY 0 - 180.0 4 21W ETERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6 9.5 10	FERIOD 5 10.6-	113.3	\$) 3.4~ 15 15.3 1	.4- 18.2- 8.1 22.2	22.3- LONGER	TOTAL
0.500			•	•	:		:	80000000000
3.50 - 3.49 3.50 - 3.99 4.50 - 4.99 4.50 - 4.99		•	•	•			•	, 00000
TOTAL MEAN HS(M) = 0.	Ó Ó LARGEST HS	Ö (S(M) = O.	Ö MEAN	Ö TP(SEC)	ο = 0.	Ó Ó NUMBER (Ö DF CASES ≃	-





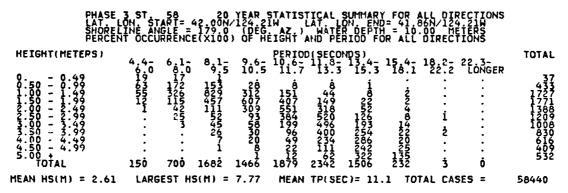
HIS STATION 57 (42.10N/ 124.35W TO 42.00N/ 124.21W)
MONTH

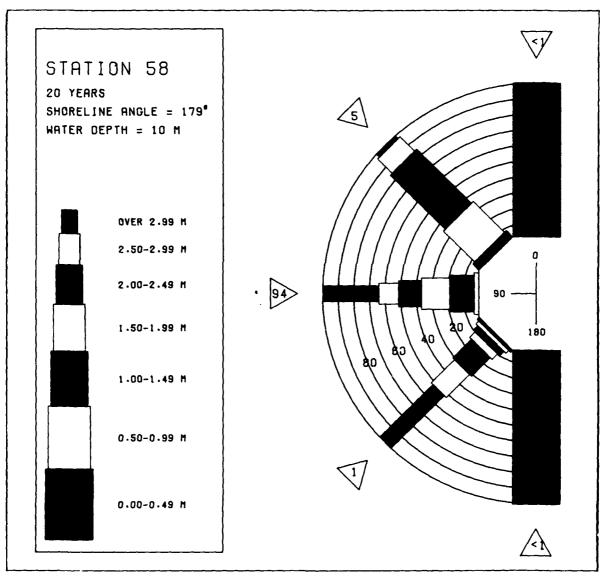
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E69999999999999999999	HOUSE CONTRACTOR CONTR	6489-6489-6กมกค.	5664597000000000000000000000000000000000000	805008989955555454000000045	57447625254026444774	400000mmymmoodadsiinino	1011100001110101011111	10101010101010101111110	15769-175004607140726	6292094703773-20975981	ท6ต4ๆตายของสุทุสอตาทองจ	จะมาการกราการกรากจากจากจะกระทั่ง	M-MANAMANANAHANANANANANANANANANANANANANANA
MEAN	3.2	3.0	2.6	1.9	1.4	1.2	1.0	1.0	1.2	2.0	2.7	3.4	
			t.	ARGES	T HS(METER	S) BY	монт	H AND	YEAR			
		WIS S	TATIO	N 57	(42	.10N/	124.	35W T	0 42.	00N/	124.2	1W)	
						MONT	H						

						MONT	H					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 E4555666666665777777 E95999999999999999999	0MINNIN-14/00/47/50-1-108/1	904870677597774498090 466566464747555544555	98592502577857251850	487-17-17-0608686-12-14-14-14-14-14-14-14-14-14-14-14-14-14-	MOTH 4 LINGS COUNTY OF THE TOTAL OF THE TOTA	งงาน-เงาการกระบายการการการการการการการการการการการการการก	1-24-1-1-1-1-24-1-1-1-2-1-1-1-2-1-1-1-1-	# 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	47000000000000000000000000000000000000	9085574589787645689	87744FN446446664444	######################################

, ,	NAVE APPROA AT LON S HORELINE A ERCENT OCC	58 CH ANGLE TART= 42 NGLE = 1 URRENCE(20 YEAR (RELATIVE .00N/124. .79.0 (DE X1000) OF	WAVE DIR TO SHOR 21W (G AZ) HEIGHT	ECTION S ELINE IN AT. LON. WATER (AND PER)	TATISTICA DEGREES END= 41 DEPTH = 11	AL SUMMA)= 0 .86N/124 0.00 ME RECTION	RY - 14.9 TERS	
HEIGHT (METER	(S)				(SECONDS				TOTAL
00-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	6.0	6.1-0 8.0 	8;1- 9;6 ; 10; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	5 Îi.7 : : : : :	13.3 1	5.4- 15.4- 15.3 16.1	1 18.2- 22.2	22.33- LONGER : : : : : : : : :	00000000000
MEAN HS(M) =	O. LAR	GEST HS(M) = 0.	MEAN	TP(SEC)	= 0. 1	NUMBER O	F CASES =	0
HEIGHT(METER	PHASE 3 ST. NAVE APPROA AT LON SHORELINE A PERCENT OCC (S)		20 YEAR (RELATIVE 100N/124 79.0 (DE X1000) OF 8.1- 9.6 8.5 10.			STATISTICA 1 DEGREES END= 41 DEPTH = 10 COD BY DIA 3 4- 15 4- 15.3 18.1		22.3-	TOTAL
	6.0 18 	8.0	9.5 10.	5 11.7 : : : :	13.3 1 : : : :	15.3 18.1 	. 22.2	- LÖNGER : : : : : : : : :	180000000000000000000000000000000000000
MEAN HS(M) =	0.08 LAR	GEST HS(M) = 0.17	MEAN	TP(SEC)	= 5.3 8	YUMBER O	F CASES =	11
£	PHASE 3 ST.	58	20 YEAD	MAVE NTD	ECTION (TATICTIC.	AI CIMMA		
HEIGHT(M E TER	PHASE 3 ST. NAVE APPROA AT LON. S HORELINE A ERCENT OCC (S)			858700	ELINE IN AT LON. WATER D AND PERI	V DEGREES' END = 41 EPTH = 1(COD BY DIF			TOTAL
	4.4-0 16.5-16.44 15.5-48-3 136-4	6 8 5 0 13774 4 13774 4 247233 4 11220	### ### ##############################	PER 10D 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SECOND 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3)4- 15.4: 15.3 16:1 	18.2-	RY 74.9 1 ERS 22.3- LÖNGER	TOT AL 23950537899521 227331 44
HEIGHT(METER - 0.499	1364 1.43 LAR 1.43 LAR 1.43 LAR 1.43 LAR 1.43 LAR 1.44 LAR 1.45 LAR 1.45 LAR	6 8 5 4 1 1 2 7 7 1 2 2 0 1 2 7 7 1 2 2 0 1 2 7 7 1 2 2 0 1 2 7 1 2 2 0 1 2 7 1 2 2 0 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	8 01- 9 06 59 0 499 820 7111 2 839 475 2 5 :	PER 16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(SECONDE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3)4- 15.4; 15.3 18; 13 13 1 = 8.3 1	18.2- 22.2	22.3- LÖNGER : : : : : : : : : : : : : : : : : : :	03-637-899-521 39505572-32 2731

PHASE A WAY L LAY L SHOREL PERCEN	5 ST PPROÀCH ANG DN. START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIV 42.00N/124 179.0 (0 E(X1000) 0				ICAL SUMM/ ES)= 105.0 41.86N/120 10.00 M DIRECTION	RY 7 - 134.9 1 - 21W 1 TERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9. 9.5 10	PERIO 6- 10,6-	113.3	(§) 3:4- 15	.4- 18.2- 8.1 22.2	22.3- LONGER	TOTAL
- 0.499 - 0.999 - 1.999 - 1.500 - 2.33.499 - 2.33.499 - 2.33.499 - 2.33.499 - 2.33.499 - 4.550 - 4.99 - 4.550 - 4.99	i i 37 13 585 5 895 . 10 	15088 354 15088 142 15088 177 1680 177 1611 46		10 10 29 718 741 929	· · · · · · · · · · · · · · · · · · ·		i i i i i i i i i i i i i i i i i i i	0777888831131683343158
MEAN HS(M) = 3.38	LARGEST F	IS(M) = 7.5	Z FIEAN	IP(SEC.	= 10.1	NUMBER	DF CASES -	1370
PHASE WAYE ALAT LOSHOREL PERCENT	ST.58 PPROACH ANG DN. START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIV 42.00N/124 179.0 (D E(X1000) 0				ICAL SUMM ES)= 135. 41.86N/124 10.00 M DIRECTION	RY - 164.9 - 188 - 188	
HEIGHT(METERS)	4.4- 6.1-	8.1- 9. 9.5 10	PERIO 6- 10.6- .5 11.7	11.8-1 13.3	(§) 3.4- 15 15.3	.4- 18.2- 8.1 22.2	22.3~ LONGER	TOTAL
0.500 - 1.223.499 1.500 - 1.223.499 2.500 - 3.499 2.500 - 3.499 3.500 - 4.99 3.500 - 4.99 4.500 + 4.99	4.4- 6.1- 6.0 8.0 15 20 1 10 1							201
4.00 - 4.49 4.50 - 4.99 5.00 +		•		:	•		•	0
TOTAL MEAN HS(M) = 0.71	18 40 Largest h	Ö IS(M) = 1.6	Ö Ö 3 MEAN	O TP(SEC	0) = 6.6	0 0 NUMBER (U OF CASES =	36
PHASE WAYE A LAT SHOREL PERCEN	3 ST. 58 PPROACH ANC ON. START= INE ANGLE = I OCCURRENC	20 YEAR LE(RELATIV 42.00N/124 179.0 (0 E(X1000) 0					ARY) - 180.0 ; 21W ETERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9. 9.5 10	PERIO 6- 10.6- 5 11.7	D(SECONT 11.8-1	(§) 3,4- 15 15,3 1	.4- 18.2- 8.1 22.2	22.3- LÓNGER	TOTAL
0.4999999999999999999999999999999999999								0000000000
4.00 - 4.49 4.50 - 4.99 5.00 +		•		:	:	: :	:	0
TOTAL MEAN HS(M) = 0.	Ó Ó LARGEST H	Ó IS(M) = 0.	U O MEAN	O TP(SEC	0 = 0.	O O NUMBER	0 OF CASES =	0





WIS STATION 58 (42.00N/ 124.21W TO 41.86N/ 124.21W)

HTHOM

	MAL	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R657890123456789012345 F999999999999999999	nocoomeron-mannina 4mn	1940494197886494	กกากจะกายกายกายกายกายกายกายกายกายกายกายกายกายก	1071074417600111000901	2227-1227-1-1-121-1-121-1-122222	95754958787847590088	MM7.5M-1-1884-6MM5.507.84M	4-15/16-16-16-16-16-16-16-16-16-16-16-16-16-1	1970min790n8447495008	ALTORUM ALTORUM AND AND AND AND AND AND AND AND AND AND	94ทักข—9หมังชา-อเกตเมนิกค งหากการการการการการการการการการการการการกา	440914299419442M7742	N 450 6655 665 6450 750000 N ENGRANAMENTANAMENTANAMENTANA H
MEAN	3.7	3.7	3.3	2.6	2.0	1.6	1.4	1.3	1.6	2.6	3.5	4.0	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 58 (42.00N/ 124.21W TO 41.86N/ 124.21W)

MONTH

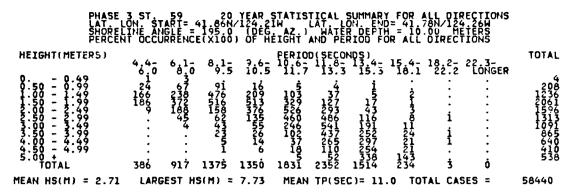
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 A5585666666666777777 E999999999999999	910010014000411590180n	84484611487216828-111 5066655655444666556666	10006000000000000000000000000000000000	67-16-1006745877290565	<u> </u>	90000000000000000000000000000000000000	ณฑางงาางงางงากงางงาากงงาา	ณฑกรณาขาของอาการกระบาย พนทางการการกระบาย	200794637563793734	4114554564646464484444444444444444444444	#M0000H0H0040H00H00	56566566666757656666

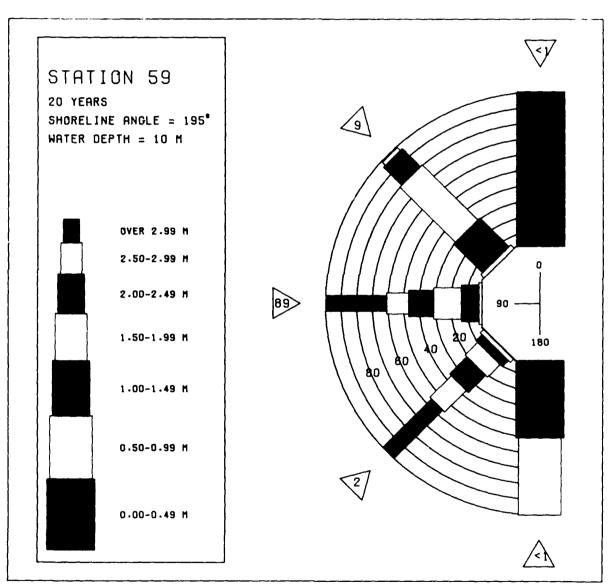
20 YR. STATISTICS FOR PACIFIC STATION 58 (42.00N/ 124.21W TO 41.86N/ 124.21W)

MEAN CONTERONS HAVE UP TOUT	
MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECONDS)	, 2.6
MEAN PEAK WAVE PERIOD (CENTER) DIRECTION BAND (SECONDS)	94.4
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	71.3
	2:3
LARGEST MĀVĒ HS MĀVĒ AS MOCIĀTED WITH LARGEST MĀVĒ HS VERAP PĪRECĪJON ASSOCIĀTĒD WITH LĀRGEST MĀVĒ HS (DEGREES)	7.8
WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS)	16.7
WAYE 1P ASSOCIATED WITH LARGEST WAYE HS (DEGREES) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAYE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	403.086.3
DATE OF LARGEST HS OCCURRENCE IS (YR.MO.DA.HR)	07121203

PHASE HAYE I SHORE PERCEN	3 ST APPROACH ANGI ON. START= THE ANGLE = IT OCCURRENCE	20 YEAR W. E(RELATIVE 11.86N/1242 105.0 (DEG E(X1000) OF	AVE DIRECTION OF THE STATE OF T	N STATISTIC IN DEGREE ON END= 4 R DEPTH = ERIOD BY D	CAL SUMMARY 5)= 0 1.78N/124.26W 10.00 METERS IRECTION	14.9
HEIGHT(METERS)	4.45 6.15	8.1- 9.6- 9.5 10.5			4- 18.2- 22.3 .1 22.2 LON	
99999999999999999999999999999999999999	6.U 8.U	9.5 10.5	11.7 13.3	0 0		00000000000000000000000000000000000000
MEAN HS(M) = 0.	LARGEST HS	S(M) = 0.	MEAN TP(SE	C) = 0.	NUMBER OF CA	SES = 0
	3 ST. 59 PPROACH ANGI ON. START= INE ANGLE = IT OCCURRENCI	20 YEAR W E(RELATIVE 1.86N/124.2 195.0 (DEG E(X1000) OF I			L.78N/124.26W Ld.00 METERS IRECTION	
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	3,1- 9,6- 9.5 10.5	PERIOD(SECO 10.6- 11.8- 11.7 13.3	13.4- 15.4 15.3 18	4- 18.2- 22.3 1 22.2 LON	TOTAL
99999999999999999999999999999999999999	41 20 241 41 6 29 					483 683 2
TOTAL MEAN HS(M) = 1.23	288 92	å å 3(M) = 2.28	Å Å	0 (C) = 5.6	ÖÖÖÖ NUMBER OF CA	.SES = 224
PHASE WAYE A Shore L Percen	3 ST. 659 PPROACH ANG ON. START= THE ANGLE = IT OCCURRENCE	20 YEAR W E (RELATIVE 1.86N/124-2 195.0 (DEG (X1000) OF			CAL SUMMARY 5)= 4500 - 1.780/124.26W 10.00 METERS IRECTION	
HEIGHT(METERS) 0.49 0.50 - 0.49 1.50 - 1.49 1.50 - 2.49 2.50 - 3.49 3.50 - 3.49 4.50 - 4.49 4.50 - 4.99 5.00 + TOTAL MEAN HS(M) = 1.72	464- 61- 63- 176 145- 176 1784- 18007 63- 15007 63- 8.1- 9.6-5 10.15 12.5 13.5 15.5	FERIOD(SECO 1016-7 138-3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 18 2- 22 10 N	TOTAL GER 20 3633 4946 1701 1129 0	
		5(M) = 3.98 20 YEAR H E RELATIVE 2 1950 (DEG (X1000) OF	MEAN TP(SE AVE DIRECTIO TO SHORELINE LAT LATE HEIGHT AND P	N STATISTIC IN DEGREES ON. END= 4: R DEPIH = 0: FRIOD BY D	NUMBEP OF CA CAL SUMMARY 5)= 75.0 - 1 1.78N/124.26W 1.00 METERS IRECTION	04.9
HEIGHT (METERS) 0.499 -0.4999 -0.12999 1.500 -0.2999 1.500 -0.4999 2.500 -0.4999 2.500 -0.4999 2.500 -0.4999 2.500 -0.4999 2.500 -0.4999 2.500 -0.4999 2.500 -0.4999 2.500 -0.4499 -0.4499	4,4- 6,1-	8 9 1 - 9 6 - 5 10 3 5 5 6 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6	PER 100 (11 1 1 3 36587.4561 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18.2- 22.3 1 22.2 Lon	TOTAL 20015 1005701 1505701 12005727 1

PHASE 1 WAVE AF LAT LL PERCENT	ST PROÁCH ME ANG OCCUR	59 ANGLE RT = 4] LE = 1 RENCE	20 Y (RELA (86N/ 95.0 X1070	EAR WA TIVE T 124.21 (DEG.) OF H	VE DIR O SHOR AZ) EIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIS N DEGE DEPTH 100 BY	TICAL EES:= 410.7 OIRE	SUMMAR 105.0 BN/124 00 MET CTION	Y - 134.9 26W ERS	
HEIGHT(METERS)		6.1 <u>.</u>	8,1,5	9.6- 10.5	PERIOD 10.6- 11.7	11.8- 1 13.3	S) 3.4- 1 15.3	5.4- 18.1	1 6 .2- 2	2.3- LONGER	TOTAL
- 0.49 0.50 - 0.49 1.500 - 1.499 2.000 - 12.499 2.500 - 2.499 4.500 - 4.499 5.00 - 4.499 5.00 - 4.499 5.00 - 4.499 5.00 - 4.499 6.00	: 53		145 14568 12568 1603 1603 1603 166		754824502 11221 1011 1011 1011 1011 1011 1011		 357 3263745			; ; ; ; ;	6865475942 257776321
MEAN HS(M) = 2.98	LARGE	ST HS	(M) =	7.45	MEAN	TP(SEC)	= 10.	3 NUI	MBER OF	CASES =	2728
PHASE AF HAYE AF SHOPEL PERCEN	ST. PROÁCH ON STA (HÉ AHG T OCCUR	59 ANGLE RT= 41 RENCE	20 Y (RELA 1.85N/ 195.3 (X1000							Y - 164.9 26W ERS	
HEIGHT(METERS)	4640	-1.6 0.3	8,1-	9.6- 10.5	PERIOD 10.6- 11.7	15ECOND 11.8-1	§) 3.4- 1 15.3	5.4- 18.1	18.2 ₂ 2	2 3- LONGER	TOTAL
0.499 0.499 0.499 0.499 0.499 0.499 0.5000 0.499	33 6	6 6 2 3 3 6 5 · · · · · · · 5	63 9		· · · · · · · · · · · · · · · · · · ·					: : : : :	16328000000
MEAN HS(M) = 1.13	LARGE	ST HS	(M) =	2.42	MEAN	TP(SEC)	= 7.	2 NUI	MBER OF	CASES =	38
PHASE ALL HAYE AL SHORE LO PERCEN	S ST PROACH CN. STA INE ANG	59 ANGLE RT = 4] LE =] RENCE	20 Y (RELA 1.86N/ 195.0 (X1000	EAR WA TIVE T 124.21 (DEG.) OF H	VE DIR O SHOR W L AZ.J EÎGHT	ECTION ELINE I AT. LON WATER AND PER	STATIS N DEGR END= OEPTH IOD BY	TICAL EES)= 4107	SUMMAR 165.0 BN/124 00 MET CTION	Y - 180.0 26W ERS	
HEIGHT(METERS)	4.4- 6.0	6.1- 8.0	8,1,5	9.6° 10.5	PERIOD 10.6- 11.7	SECOND 11.8-1	5) 3.4- 1 15.3	5.4~ 1 18.1	18.2- 2	2 3- LONGER	TOTAL
0.500 - 1.22.33.449 0.500 - 1.22.499 1.500 - 1.22.499 1.500 - 1.22.499 1.500 - 1.22.33.449 1.500 - 1.22.33.449 1.500 - 1.22.33.449 1.500 - 1.22.33.449		· · · · · · · · · · · · · · · · · · ·	·		· · · · · · · · · · · · · · · · · · ·			·	· · · · · · · · · · · · · · · · · · ·	: : : : : : : :	00000000000
MEAN HS(M) = 0.	LAKGE	ST HS	(FO) ~	ψ.	MEAN	TP(SEC)	= 0.	NUI	HOER UP	CASES -	Ü





HIS STATION 59 (41.86N/ 124.21W TO 41.78N/ 124.26W)

MON	J	Н	
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	MAL	FEB	MAR	APR	MAY	MUL	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R5555666666666777777 E99999999999999999	nadhindhandhannninddhin	รายาราช รายาราชายาราชายาราชายาราชายาราชายาราชายาราชายาราชายาราชายาราชายาราชายาราชายาราชายาราชายาราชายาราชายารา	คราคายากงากงากงากการกราก	68207เมริงอาณาเกเลยาการ ขณาทางเกเลยาการการการการการการการการการการการการการ	45001579904505510000000000000000000000000000000	065670718185687022231	66986466079566840765	47-67-2627-77-4-65-67-60-64	698-15780879-158506579	ณณณณณฑฑณณณฑณฑณณณณณณณณณณณณณณณณณณณณณณณณ	กกกกกลากกลากการกรากก	4444454556645566740	N5-697776677777550879194 Enouverententententententententententententente
MEAN	3.7	3.7	3.3	2.7	2.1	1.8	1.7	1.6	1.8	2.7	3.5	4.0	

LARGEST HS(METERS) BY MONTH AND YEAR

HIS STATION 59 (41.86N/ 124.21W TO 41.78N/ 124.26W)

HTMOM

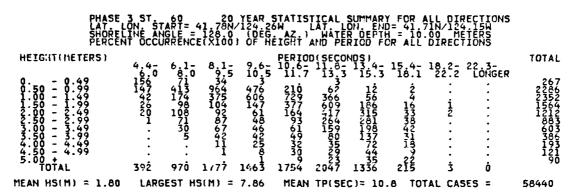
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890125456789012545 R5555666666666777777 E95959999999999999999	82821949775714704746 54666654656557666665	70303610698415317132	กรงทรงทกรทกษาจงการจงก	กรางสายการสายคายการสายคายการสายคายการสายคายการสายคายการสายคายการสายคายการสายคายการสายคายคายการสายคายคายคายคายคายคายคายคายคายคายคายคายคา	ศการการการการการการการการการการการการการก	างการกระทางการกระบายการการการการการการการการการการการการการก	มองสายอาการการการการการการการการการการการการการ	งการการการการการการการการการการการการการก	งกงเกงงเมกงเงกงกากงกงเกงกา	annung godog and adding	45666565656565666666666666666666666666	55556556666657656666

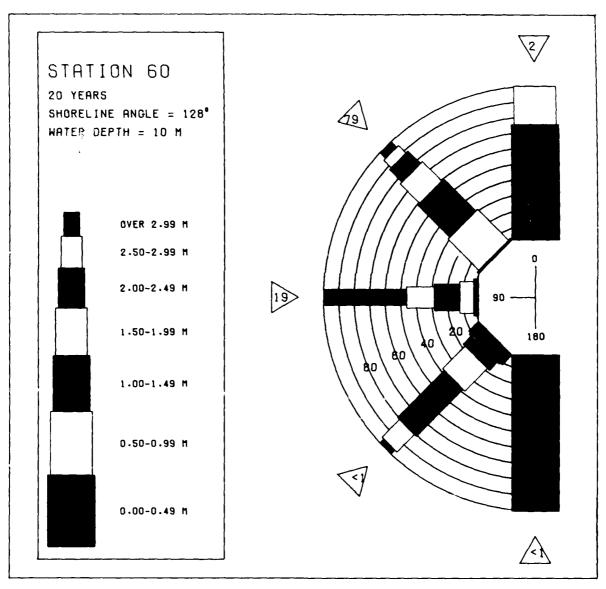
20 YR. STATISTICS FOR PACIFIC STATION 59 (41.86N/ 124.21W TO 41.78N/ 124.26W)

MEAN SIGNIFICANT HAVE HEIGHT	2.7 11.0 90.0
STANDARD DEVIATION OF WAVE TP (SECONDS) LARGEST MAYE HS LARGEST MAYE HS LARGEST MAYE HS LARGEST MAYE HS LARGEST MAYE HS LARGEST MAYE HS LARGEST MAYE HS LARGEST MAYE HS LARGEST MAYE HS LARGEST MAYE HS	1.2 2.6 7.7
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS (BETERS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	16.7 91.1 69121209

PHASE WAVE LAT SHORE PERCE HEIGHT(METERS)			AVE DIRECTION TO SHORE THE		L SUMMARY 14.7 71N/124.75H 600 METERS ECTION 18.2- 22.3- 22.2 LONGER	9 TOTAL
99999999999999999999999999999999999999	4,4-0 6,1-0	9.5 10.5	11.7 13.3	15.3 18.1	22.2 LONGER	232 00 00 00 00 00 00 00 00
TOTAL MEAN HS(M) = 0.14	232 Ó Largest h	ó ó S(M) = 0.50	Ó Ó MEAN TP(SE	0 0 C) = 4.9 N	Ó Ó Umber of Cases	•
PHASE HAVE SHORE PERCE	APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC	20 YEAR W LE(RELATIVE 41.78N/124.2 128.0 (DEG E(X1000) OF	AVE DIRECTION TO SHORELINE 6W LAT'L HEIGHT AND P			9
HEIGHT(METERS)	4,4- 6,1- 6.0 6.0	8,1- 9,6- 9,5 10.5	PERIOD(SECON 10 6- 11 8- 11.7 13.3	NOS) 13.4- 15.4- 15.3 18.1	18.2- 22.3- 22.2 LONGER	TOTAL
99999999999999999999999999999999999999	4.4- 6.10 1309 627 1394 3016 222 172	8 1- 9.6- 18 10.5 18 : 102 :				1954 19735 1971 216 0
3.00 - 3.49 3.50 - 3.99 4.00 - 4.49						Ŏ
4.50 - 4.99 5.00 + TOTAL	 3017 4738	 468 Ó	 Ó Ó	 0 0	 Ů Ò	ő
MEAN HS(M) = 0.74	LARGEST H	S(M) = 2.48	MEAN TP(SE	C) = 6.5 N	UMBER OF CASES	= 4810
PHASE WAVE LAT SHORE PERCE	3 ST. 60 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC	LE(RELATIVE 41.78N/1242 12800 (DEG E(X1000) OF	AVE DIRECTION TO SHORELINE 6W LAT L HEIGHT AND P	N STATISTICA IN DEGREES) ON END= 41 R DEPTH = 10 ERIOD BY DIR	L SUMMARY = 45.0 - 74.9 71N/124.15W 00 METERS ECTION	9
PHASE WAYE LATA SHOKE PERCE HEIGHT(METERS)			AVE DIRECTION TO SHORELINE 6W LAT L HEIGHT AND P PERIOD(SECON 10,67,11487			
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8,1, 9,6, 9,5 10,5	PERIOD(SECON			
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8,1, 9,6, 9,5 10,5	PERIOD(SECON			
HEIGHT(METERS) 0.499	4.4- 6.1- 6.0 87 76 10762 78 5757 11 4778 1198 1198 1125 3252		PERIOD (SECOLO 11.6.7 13.7.7 13.7.7 13.7.7 13.7.7 13.7.7 13.7.7 13.7.7 13.7.7 13.7.7 13.7.7 13.7.7 13.7.7 13.7 13	NDS) 4-3 15.6 4-1 15.6 15.6 15.6 15.6 15.6 15.6 15.6 15.	L SUMMARY 74.5 71N/124 15M 25 15M 25 25 2 2 3 - 22 3 - 22 2 10 NGER 20 20 1 10 10 10 10 10 10 10 10 10 10 10 10	TO TA 986332243874 4006435536774 1224156772638 122411742164
HEIGHT (METERS) 0.499	4.4- 6.1- 6.0 896 70 1095 70 5975 11 198 43 225 3252 LARGEST H	8 9 1 5 1 76622 9 1 5 776622 9 1 5 776624 9 1 5 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD (SECOLO 10 1 1 3 7 1 1 3 7 1 1 3 7 1 1 3 7 1 1 3 7 1 1 3 7 1 1 1 3 7 1 1 1 1	NDS1 1 1 1 2 2 3 1 1 2 3 3 1 2 3 3 3 2 2 3 3 3 2 2 3 3 3 2 2 3 3 3 2 3 3 3 2 3 3 3 3 2 3	18.2- 22.3- 22.2 LONGER : : : 10 : 20 : 1 : . : : . : : . : :	TO TAL 498923322438 498094353438 177472638 4916 7
HEIGHT (METERS) 0.499	4.4- 6.1- 6.0 8.6 70 10952 70 5977 11 1984 1.1 1984 1.2 25 3252 LARGEST H 3 PRO CHART = 1000 APPRO CHART = 10000 APPRO CHART = 1000 APPRO CHART = 10000 APPRO CHART = 100000 APPR	8 9 1 5 7 666249 1 7 666249 1 7 666249 1 7 666249 1 7 666249 1 7 666249 1 7 666249 1 7 666249 1 7 66249 1	PERIOD (SECOLO 10 1 1 3 7 1 1 3 7 1 1 3 7 1 1 3 7 1 1 3 7 1 1 3 7 1 1 1 3 7 1 1 1 1	NDS1 1 1 1 2 2 3 1 1 2 3 3 1 2 3 3 3 2 2 3 3 3 2 2 3 3 3 2 2 3 3 3 2 3 3 3 2 3 3 3 3 2 3	18.2- 22.3- 22.2 LONGER 10	TO TAL 498923322438 498094353438 177472638 4916 7
HEIGHT(METERS) 0.499 0.9499 0.500 0.7499 0.500 0.7499 0.500 0.7449 0.74	4.4- 6.1- 6.0 896 70 1095 70 5975 11 198 43 225 3252 LARGEST H	8 9 1 5 7 666249 1 7 666249 1 7 666249 1 7 666249 1 7 666249 1 7 666249 1 7 666249 1 7 666249 1 7 66249 1	PERIOD (SECON 10 16 - 11 3 7 1	NDS1 1 1 1 2 2 3 1 1 2 3 3 1 2 3 3 3 2 2 3 3 3 2 2 3 3 3 2 2 3 3 3 2 3 3 3 2 3 3 3 3 2 3	18.2- 22.3- 22.2 LONGER 10	TOTAL 4989232243897 49802432243897 176732543897 1767354475037 4916 7

PHASE AR HAYE AR LAY SHOREL SHOREL	ST. 6 PROACH ON. STAR NE ANGL	0 ANGLE(RI T= 41.7 E = 128 ENCE(X1	YEAR WELATIVE SH/124.2 0 (DEG					ARY 0 - 134.9 4.15W ETERS	
HEIGHT(METERS)	4.4- 6	å.0 8,3	l- 9,6- .5 10.5	PERIOD: 10.6-	SECOND:	5) 3.4~ 15 15.3 \	.4- 18.2- 8.1 22.2	22.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 1.49 1.50 - 1.49 2.50 - 2.49 3.00 - 3.49 3.50 - 3.49 4.50 - 4.99 5.00 + 4.99 5.00 + 4.99 5.00 + 4.99	3	j	\$. 1	:					64 28 106 208
2.50 - 2.99 3.50 - 3.99 3.50 - 3.99	10 1 :	92 44	: :			:		:	2668240100 1214
4.00 - 4.49 4.50 - 4.99 5.00 +	:	:	i :	: 0	:	: ō	: :	:	0
MEAN HS(M) = 2.25		59 10 T HS(M)		-	TP(SEC)	-	NUMBER	OF CASES =	302
		^							
PHASE I HAVE AF LATORELI PERCENT	STACH PROACH ON STAR (NE ANGL T OCCURR	0 ANGLE(RI T= 41.78 E= 128 ENCE(XI	P YEAR WELATIVE BN/124.2 000) OF	AVE DIR TO SHOR 6W L HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIST N DEGRE DEPTH = IOD BY	ICAL SUMM ES)= 135. 41.710/12 10.00 M DIRECTION	APY 0 - 164.9 4.15W ETERS	
HEIGHT(METERS)		il- 8.					.4- 18.2- 8.1 22.2		TOTAL
99999999999999999999999999999999999999	20							CONGER	20
1.50 - 1.99 2.60 - 2.49 2.50 - 2.99	:	:		:				:	000
30	:	:	: :	:	•	:	:	:	2
	2 0	Ò	 Ò Ò	Ö	ò	Ò		Ö	ŏ
MEAN HS(M) = 0.07	LARGES	T HS(M)	= 0.32	MEAN	TP(SEC)	= 4.5	NUMBER	OF CASES =	12
PHASE AF WAYE AF LAT LO SHOPE PERCEN	ST.6 PROACH ON. STAR INE ANGL	0 ANGLE(R T= 41.7 E = 128 ENCE(X)	O YEAR WELATIVE BN/124.2 000) OF	AVE DIR TO SHOR 6W L	ECTION : ELINE I AT. LON WATER (AND PER	STATIST N DEGRE DEPTH = OEPTH =	ICAL SUMM ES)= 165, 41.71N/12 10.00 m DIRECTION	ARY 0 - 180.0 4 15W ETERS	
HEIGHT(METERS)	4.4- 6	å.o 8	1- 9.6- .5 10.5	PERIOD	SECOND	\$} 3.4- 15	ė4- 18:2- ė.1 22.2	22.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 0.99	:							·	0
0.50 0.50 1.50 1.50 1.50 1.50 1.50 1.50	•							:	Ŏ
3.50 - 3.49 3.50 - 3.99 4.00 - 4.49 4.50 - 4.99	:	•	: :	:	:	:	• •	•	000000000000
- 0.49 - 0.49 - 0.99 1.500 - 1.99 1.500 - 2.29 2.500 - 3.49 2.500 - 3.49 3.500 - 4.99 3.500 - 4.99 5.00 + 4.99	Ó	Ö		Ö	Ö	Ö		Ò	8
MEAN HS(M) = 0.	LARGES	T HS(M)	= 0.	MEAN	TP(SEC)	= 0.	NUMBER	OF CASES =	0





WIS STATION 60 (41.78N/ 124.26W TO 41.71N/ 124.15W)

		M13 3	HITU	M 00	(41	MONT		20M I	0 41.	/1N/	124.1	>₩ ?	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	
R67890123456789012345 R67890123456789012345	MODOLANGONONONONONONONONONONONONONONONONONONO	พลงอาการการการการการการการการการการการการการ		67-27-85-6657-75-7-1-7-9-7-1-7-	M4 2020 40 - 10 - 10 - 10 - 10 - 10 - 10 - 10	1-10-10-10-1-1-10-1-10-1-1-1-10	88098768090787060209	08979606968798808988	11-11001-1-10-1-10-1-10-1-10	406966-M6040896446M8	annonnonnonnonnonnonnonnon	เกองเรื่องเกลาควายส่วนอาการาช	N77000009970609979196
MEAN	2.9	2.7	2.3	1.7	1.2	1.1	0.9	8.0	1.1	1.7	2.4	3.0	
		WIS S	_	ARGES N 60		METER .78N/ MONT	124.		H AND 0 41.			5 H)	
	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
YE955590123	28908976	79340753	54455455	9m-1597-8-	78775409	90299969	34737124	25646070	5-1645049	- Composition	39-15-1809Q	09455047 44545466	

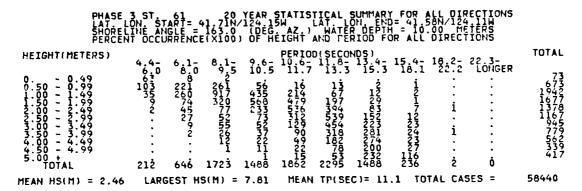
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	QCT	NOV	DEC
R67890123456789012345	04mmm4m04m40406m7494	797407471400009807450	544554555454444544454454	のかーにかってのようなアイトになったというのよ というのできないというないというのよ	78775409089879977775	98299999958-6969-6929	747777484884995644994	תוחות היו היו היו היו היו היו היו היו היו היו	5-64594982M4124066770	กลากกลายกลายกลายกลายกลายกลายกลายกลายกลาย	M9-15-489-984-97-4215-4-485-2	994557494467465572

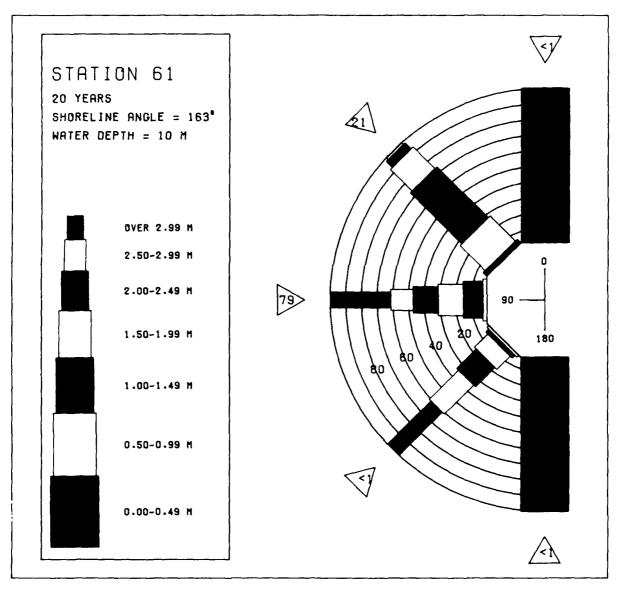
20 YR. STATISTICS FOR PACIFIC STATION 60 (41.78N/ 124.26W TO 41.71N/ 124.15W)

PHASE WAYE LAT SHORE PERCE	APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC	20 YEAR LE(RELATIVE 41.71N/124 163.0 (DEC E(X1000) OF	HAVE DIRECT TO SHORE! LSW LAT AZ.) W/ HEIGHT AND	ION STAT	ISTICAL SUM SREES) = 0 0 = 41.58N/1 1 = 10.00 34 DIRECTIO	MARY 24 11W NETERS	
HEIGHT(METERS)					15.4~ 18.2 18.1 22.		TOTAL
996 - 999999 994 - 994949 1	4.4- 6.1- 6.0 8.0	9.5 10.9	11.7 1.	3.3 15.3	18.1 22.	2 LONGER	0000000000
4:50 - 4:99 5:00 + TOTAL	 0 0	 0 0	Ö		 0 0	Ò	8
MEAN HS(M) = 0.	LARGEST H	S(M) = 0.	MEAN TP	SEC) = (. NUMBER	OF CASES =	. 0
	3 ST 61 APPROÁCH 6NG LON. STARÍS LINE ANGLE S NT OCCURRENC	LE(RELATIVE 41,711,124. 163.0 (DE E(X1000) OF					
HEIGHT(METERS)	4:4- 6:1- 58i 1i 667 68	8,1- 9,6 9.5 10.	PERIOD(S) - 10.6- 11 5 11.7 1	CONDS) 8- 13.4- 3.3 15.3	15.4- 18.2 18.1 22.	22.3- 2 LONGER	TOTAL
0.500 - 4.99 2.500 - 3.499 2.500 - 3.499 2.500 - 3.499 2.500 - 4.99 2.500 - 4.99 2.500 - 4.99 4.500 - 4.99 4.500 - 5.000 TOTAL MEAN HS(M) = 0.50	4.4- 6.1- 58i 1i 667 68		•			:	595 735 900 900 900 900
2.500 - 2.499 3.500 - 4.49		: :	•	: :	: :	•	800
4.50 - 4.49 5.00 +	: : 125i 79	: : 6 6	: 6	: :	: :	:	000
MEAN HS(M) = 0.50		0 0 S(M) ≈ 1.06	•	(SEC) = !	0 0 5.6 NUMBER	OF CASES =	
PHASE WAVE LATOR STORE PERCEI	3 ST. CH 61 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC	LE(20 YEAR LE(RELATIVE 41.7107124 16310 (066 E(X1000) OF					
PHASE WAVE LAT. SHORE PERCE! HEIGHT(METERS)							TOTAL
	4.6.9 22 51 1 3 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		PERIOD (SI 101.6-7 11 15.0 14 15.57 14 15.37 13 15.0	COND 3 2702902433 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ISTICAL SUM REES)= 45 2 41058N/1 4 = 1058N/1 5 DIRECTIO 15.4- 18.2 18.1 22. 1		TOTAL 167140 16014014561877145617714567714567714
HEIGHT (METERS)	4.4- 6.1- 6.0 7:1 325 205:1 347 25:1 66 15:69 5 19:69 	8 9 1 5 5 7 7 7 7 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD SI 1016-111 1557 13 1557 23 1962 277 207 26 1962 277 207 207 277 207 277 207 207 207 207 207 207 207 207 207 207	CONDS) 8- 13.4- 3,3 15.3	15.4- 18.2 i : : : : : : : : : : : : : : : : : : :		13716 15716 15014316 15014316 15014
HEIGHT (METERS) 0.499 0.500 - 0.499 0.500 - 12.499 0.500 - 2.499 0.500 - 3.499 0.500 - 3.499 0.500 - 3.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 6.499 0.500	4.4- 6.1- 6.0 7:1 325 205:1 347 25:1 66 15:69 5 19:69 	8 1 - 9 6 1 2 5 1 9 6 1 2 5 1 9 6 1 2 5 1 9 6 1 2 5 1 9 6 1 1 2 5 6 2 1 3 1 3 1 2 5 6 2 1 2 5 6 2 1 2 5 6 2 1 2 5 6 2 1 2 5 6 2 1 2 5 6 2 1 2 5 6 2 1 2 5 6 2 1 2 5 6 2 1 2 5 6 2 1 2 5 6 2 1 2 5 6 2	PERIOD (SI 16.7 11: 15.7 13: 36.36 1	CONDS 1 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	15.4- 18.2 16.1 22. 1 2 2 2 2 3 2 3 4 5 6 1 2 1 2 3 4 5 6 75 1 1 1 2 3 4 5 7 1 1 1 1 2 3 4 5 6 7 1	223- 2 LONGER 	137 16716 16716 17
HEIGHT (METERS) 0.499 0.500 - 1.299 1.500 - 2.399 1.500 - 2.399 1.500 - 3.499 1.500 - 4.99 1.50	4.4- 6.1- 3.9- 20511 3.47- 25699 	8 1- 9 6 1 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PERIOD (SI 15.7 13.3 15.7 13.3 15.7 13.3 15.6 13.3 15.6 2 3.3 15.6	CONDS 1 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	15.4- 18.2 16.1 22. 1 2 2 2 2 3 2 3 4 5 6 1 2 1 2 3 4 5 6 75 1 1 1 2 3 4 5 7 1 1 1 1 2 3 4 5 6 7 1	223- 2 LONGER 	137 15706016 15700401 15700401 15700401 157004 15771 1584 1598
HEIGHT (METERS) 0.499 0.500 - 0.499 0.500 - 12.499 0.500 - 2.499 0.500 - 3.499 0.500 - 3.499 0.500 - 3.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 4.499 0.500 - 6.499 0.500	4.4- 6.1- 3.9- 20511 3.25- 20511 3.47- 5696 6.5- 139 78.2- 52.37 LARGEST H APPROACH ANGLE LIVE ANGLE = COURTENCE	8 9 1 5 5 777 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD (SI 143-46-7 123-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7	COND 3 1 4 3 4 3 4 3 4 4 3 4 4 3 4 4 3 4 4 3 4 4 3 4 4 4 3 4 4 4 3 4 4 4 3 4	15.4- 18.2 18.1 22. 1 22. 1 22. 1 22. 1 2 0 0.6 NUMBER 2 0 0 0.6 NUMBER 2 1 2 2. 2 1 2 2. 2 1 2 2. 3 1 3 2. 4 1 2 2. 4 1 2 2. 4 1 2 2. 4 1 2 2. 4 1 2 2. 4 1 2 2. 4 1 2 2. 4 1 2 2. 4 1 2 2. 4 1 2 2. 4 1 2 2. 4 1 2 2. 4 1 2 2. 4 1 2 2. 4 1 2 2. 4 1 2 2 2. 4 1 2 2 2. 4 2 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3	223- 2 LONGER 	171601458714 1600000150778 177164516778 177164516778 17716451687714 1771645168714 1771645168740 177164740 17

	E APPROAC LON ST RELINE AN CENT OCCU	61 H ANGLE ART 41 GLE = 1 RRENCE	20 Y (RELA .71N/ 63.0 X1000					TICAL EES)= 41.58 = 10.0	SUMMAR 105.0 H/124 IO MET TICH	7134.9 114 TERS	
HEIGHT(METERS)	4.4- 6.0	6.1 ₀	8.1-	9.6- 10.5	PER1000 10.6- 1	0100000 1 = 0 : 1. 1 : 1 : 1 : 1 : 1	(5) (3,4- 1 (15,3	5.4- 1 13.1	18.2- 3 22.2	22.3- LONGER	TOTAL
0.499 0.499 0.499 0.499 0.505	10 8 1	8 157 1822 1535 15 302	342 107 138 172 3 429	135725362 136832 8	18473 34673 313		· · · · · · · · · · · · · · · · · · ·				08833986521 175724807 123211
MEAN HS(M) = 3.	36 LARG	EST HS	(M) = (6.26	MEAN 1	P(SEC	: 9.	5 NUI	18ER 01	CASES =	867
PHA WAY LAT STC FER	SE 3 ST E APPROAC LON. ST PRELINE AN CENT OCCU	61 H ANGLE ART= 41 GLE = 1 RRENCE	20 Y (RELA (71N/ 63.0 X1000	EAR WA TIVE T 124 15 (DEG.	VE DIRE	CTION LINE I LT LOS WATER NO PER	STATIS N DEGR L END= DEPTH LOD BY	TICAL EES)= 41.58 = 10.0	SUMMAR 135.0 30/124 00 ME1	77 - 164.9 11W TERS	
HEIGHT(METERS)	4640	6.1 <u>-</u>	8,1-	9.6- 10.5	PERIOD (SECOND 1.8- 1	(§) 3.4~ 1 15.3	5.4- 1 18.1	18.2- 2	22.3- LÖNGER	TOTAL
99999999999999999999999999999999999999	1 <u>1</u> 5	:	•	:		:					1015410000
3.50 - 3.49	:	3 1 :	:	:	:	•	:	:	•	• •	100
4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL		: 4	: ò	: ā	: ò	: ò	: 6	: ń	: ò	: ^	ŏ
MEAN HS(M) = 1.	83 LARG	EST HS	-	•	•	rP(SEC)	•	6 NUI	1BER 01	CASES =	9
	SE 3 ST E APPROAC LON ST RELINE AN CENT OCCU	61 H ANGLE ART= 4] GLE = 1 RRENCE	20 Y (RELA 1.714/ 163.0 (X1000					TICAL EES)= 41.58 = 10.0	SUMMAR 165.0 30/124 00 ME	?Y _ 180.0 !110 !ERS	
HEIGHT(METERS)	4.4-	6.1.0	8,1-	9,6° 10.5	PERIOD (SECONE 1.8- 1 13.3	15.3 15.3	5.4~ 1 18.1	18.2- 8 22.2	2.3- LONGER	TOTAL
0.4999999999999999999999999999999999999	11	:	•		:	:	:	:	:	•	110000000000000000000000000000000000000
2.00 - 2.49 2.50 - 2.99 3.00 - 3.49	:		:		:	:	:	:	:	:	Ŏ
3.50 - 3.99	:	:	:	:	:		:			•	Ŏ
4.50 - 4.99 5.00 + TOTAL	11	ò	Ò	Ö	Ö	ð	Ò	Ö	Ò	Ö	ŏ

MEAN HS(M) = 0.04 LARGEST HS(M) = 0.15 MEAN TP(SEC) = 4.5 NUMBER OF CASES = 7





WIS STATION 61 (41.71N/ 124.15W TO 41.58N/ 124.11W)

HTHOM

	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R5555666666666777777 R9999999999999999999	กรงคุมกรงคายของคุมกรรคุมกรรคุมกรรคุมกรรคคคุมกรรคคุมกรรคคคคคคคคคค	NO CONTRACTOR OF THE PROPERTY	การการของคุณการการการการของคุณการการของคุณการการของคุณการของคุณการการของคุณการการทางการการของคุณการการของคุณกา	3006523-1548999688709	2277774465862558879258	74247847676176489972		20444948497172257551	486924684779714779057	0046420022708677510524	ารณะ +60-7.4 ที่การสการการการสการการสการสการสการสการสการ	00979220002074#H2762H	N.47.5.4.4.4.5.4.7.6.4.6.7.2. Environmental and the second and the
MEAN	3.6	3.5	3.1	2.5	1.8	1.5	1.3	1.2	1.5	2.4	3.3	3.8	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 61 (41.71H/ 124.15H TO 41.58N/ 124.11H)

MONTH

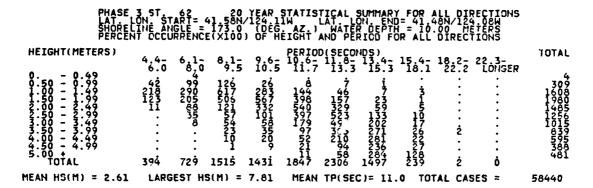
	JAH	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 R555566666666577777 E999999999999999999999	57842824426474010971 6466665565655576675	ยก406414ๆกษอากษา-เจอ เกออออกเกอเก44460อเกออกเก	6856799858515067061	640689998-45-N0484450	9.1504.00.14.21.04.20.15.21.47.15 ณฑณฑฑณฑฑณฑณณฑณฑณฑฑฑฑ	85945-109866-1-10968088	9-100-16888880658069457	ดจอก-เกิดเกิดจอดกงเลือง กากงณาเกาเกาเกาเกาเกาเกาเกาเกาเกาเกาเกาเกาเกา	ารคลอนค์ 69404 กาก 680500 จะกับการจะกระที่	76MM764060004849MM74	445665556665577779765555	11194936199928706645 56656466655657656666

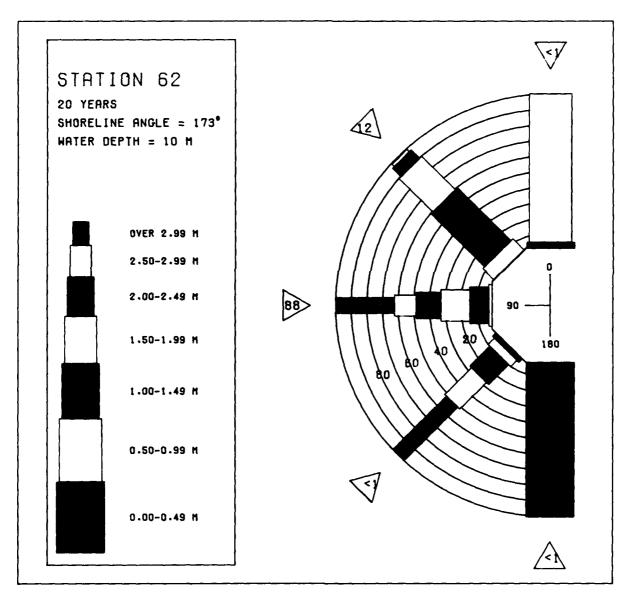
20 YR. STATISTICS FOR PACIFIC STATION 61 (41.71N/ 124.15W TO 41.58N/ 124.11W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2 5
MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECONDS)	11.1
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	60. 0
MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND . (DEGPES) STANDARD DEVIATION OF WAVE HS . (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	ړ. ځ
LARGEST WAVE HST	7:8
STANDARD DEVIATION OF WAVE TP	16.7
DATE OF LARGEST HS OCCURRENCE IS (YR.MO.DA.HR)	69121121

PHASE ALL AT A PHASE	PROACH ANG ON STATE : THE ANGLE : TOCCURRENCE 46.0 6.1- 6.0 6.1- 6.0	8,1- 9,6- 9,5 10.5 : : : : : : : . : . : 	DEDTODI SECO	: : : : : : : : : : : : : : : : : : :	L SUMMARY 14.9 48N/12408W 14.9 600	TOTAL
HEIGHT (METERS) - 0.499 - 1.999 - 1.999 - 2.3499 - 3.499 - 3.499 - 3.499 - 3.499 - 3.499 - 3.499 - 3.499 - 3.499 - 3.499 - 3.499	46.0 6.1- 313 50.1 1018 670 77 171 15 		PERIOD(SECO 10.6-11.8- 11.7 13.3	: : : : : : : : : : : : : : : : : : :	L SUMMARY 15 0 - 44.9 46N/124.08W 201 METERS ECTION 18.2- 22.3- 22.2 LONGER	TOTAL 57 24283 124885 100 000
PHASE WAY: ALL MEAN HS(M) = 1.83	4.4- 6.1- 6.6 8.2 763 244 202 244 202 196 1040 21 128 1 128	8 1- 9 6-5 8 3-1- 9 6-5 8 3-8 18-76 34 5-8 34 99 568 1870 103 306 30 34 30 39 30 34 90 7710	PERIOD (SECO 10.6-11.7 13.3 15.40 12.61 12.61 13.3 15.40 12.61 12.	17 · · · · · · · · · · · · · · · · · · ·	L SUMMARY 74.9 45.0 74.9 48N/124.08H 20 METERS ECTION 18.2- 22.3- 22.2 LÖNGER	TOTAL 19379773255 1937973255 19379732 19379732 19379732 19379732 19379732 19379732 19379732 1937973 19379775 19379775 193797775 193797775 193797775 1937977775 1937977775 1937977775 1
DULY SEA LANGE AND AND AND AND AND AND AND AND AND AND	46.0 6.10 37 357 10 357 10 123 123 123 123 122		PER 100 (51.3 17) 10.1. 13.17 20.1 13.47 20.5 13.4940 20.	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L SUMMARY 104.9 400.7124.00W 600.1METERS ECTION 1822.2 22.33GER 1 : 3 : 6 : 8 : 22 : 1 : 41 0	TOTAL 143791442744437444374443744437444374443744437

PHASE WAYE A LAT LATOR L PERCEN	3 ST. 62 PPRDÁCH ÁN ON. START= INE ANGLE T OCCURREN	GLE (20 Y 41 .58 N/ 21 .73 0 CE (X1 000	EAR WA TÎVE Î 124 11 (DEG) OF H	VE DIRE O SHORE AZ EÎGHT	CTION LINE I T. LON WATER ND PER	STATIS N DEGR END= DEPTH IOD BY	TICAL EES)= 41.46 = 10.60 DIRÉC	SUMMAR 105.0 N/124 N MET	Y - 134.9 08W ERS	
HEIGHT(METERS)	4,4- 6,1 6.0 6.			PERIOD !					2 3- LONGER	TOTAL
99999999999999999999999999999999999999			:	:	•	:	:	:	•	9 37 70
200 - 2.49 2.500 - 3.49	·	.603094506 12736 15736	16505050 16505050	10 56 58	10 13		:	:		37 70 2048 3497 3334
99999999999999999999999999999999999999	: :		22	306804306 155004306 1100634	10376726 1146240 2	: 20 20	•	:	•	283 118 194
TOTAL MEAN HS(M) = 3.40	13 283 Largest	493 HS(M) =	427 7.01		206 P(SEC)		0 8 NUM	O BER OF	CASES =	1115
PHASE	3 ST. 62	20 Y	FAD WA	VF DTDS	CTTON	STATIS	TTCAL	SUMMAD	Y	
MAYE A LAT L SHOREL SHOREL	3 ST 62 PPROÀCH AN CN. START= INE ANGLE IT OCCURREN	GLE(ŘĚLÅ 41.58N/ = 173.0 CE(X1000	ĬĨŶĔŶĨ 124-11 ŶĎĖŠ	Ó SHÓRE M AZ.) FTGHT	LINE I T. LON WATER	N DEGR ENDS DEPTH	ĖĒŠĴ≧ 41048 = 1048	135.0 N/124 0 MET	- 164.9 08W ERS	
HEIGHT(METERS)	464- 61 6.0 8.			PERIOD(e i			2.3- LONGER	TOTAL
99999999999999999999999999999999999999	3 :		:	:	:	:	:	:	·	0 0 3
	3 1 : :	•	:	:	:	:	:	:	•	0074000000
3.50 - 3.49 3.50 - 3.99 4.60 - 4.49	: :	:	:	:	:	:	:	:	:	000
5:00 - 4.77 TOTAL	i i	ò	ò	ò	Ö	ò	ò	Ò	Ö	ŏ
MEAN HS(M) = 1.54	LARGEST	HS(M) =	1.85	MEAN 1	P(SEC)	= 5.	6 NUM	BER OF	CASES =	5
PHASE Wave A	3 ST. 62 PPROACH AN	GLE(RELA	EAR WA	VE DIRE	CTION LINE I	STATIS N DEGR	TICAL EES)=	SUMMAR 165.0	Y - 180.0	
SHOREL PERCEN	3 ST. 62 IPPROACH AN ON. START= INE ANGLE IT OCCURREN	41,58N/ CE(X1000	124.11 (DĚG) OF H	W L/ EÎGĤT /	LT LON WATER ND PER	DEPTH TOD BY	41,48 DÎRÉC	N/124 10 MET	OSW ERS	
HEIGHT(METERS)	4,4- 6,1 6.0 8.	8 9 1 s	9.6- 10.5	PERIOD(10.6- 11.7	SECOND	\$) 3.4- 1 15.3	5.4- 1 18.1	8,2- 2	2 3~ LONGER	TOTAL
0.50 - 0.49 0.50 - 0.99 1.00 - 1.49			:	:	:	:	:	:	:	000
1.000	: :	•	:	:	:	:	:	:	•	0
99997099999999999999999999999999999999	: :	:	:	:	:	:	:	:	:	000000000
5:00 - 4.77 TOTAL	ò ò	Ö	Ó	Ö	ó	Ó	ó	Ó	Ö	ŏ
MEAN HS(h) = 0.	LARGEST	HS(M) =	0.	MEAN 1	rp(SEC)	= 0.	NUM	BER OF	CASES =	0





WIS STATION 62 (41.58N/ 124.11W TO 41.48N/ 124.08W)

						MONT	Н						
	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	madenatandnamannadan	กองเรายงายขององอออก	กากของกายกายกอยคอยคอยคอยคอยคอยคอยคอยคอยคอยคอยคอยคอยคอ	10000000000000000000000000000000000000	21-0902-688034-620014-60	05,4559,697,07,457,691,104	547-647-44-05-05-55-7-200-55-5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	SANDAGO OF COLOMA SE OF COLOMA	58703579668047585168	นารเลยานารายารถสา	ของการของกระสารสาราชาการการการการการการการการการการการการการ	74774747774477732	X458665666458758085 ENGUNUNUNUNUNUNUNUNUNUN M
MEAN	3.7	3.6	3.2	2.6	2.0	1.7	1.5	1.4	1.6	2.5	3.4	3.9	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 62 (41.58N/ 124.11W TO 41.48N/ 124.08W)

HTHOM

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	VOH	DEC
Y1111111111111111111111111111111111111	449500000000000000000000000000000000000	ลงเกอเกาะเงเกอตาเกรงเกาอง	8898701970455160505005	9619911991997449718869	กากการการการการการการการการการการการการก	9-62/7-7-649-2/15/24-57-2/15/25 ขณะของภาพการการสะสาราชา	ณะกระบบรายานายการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบการกระบบ	พอกเทพ 67 อุณพากเอท 446 ควา	347297896484528949644 20020040454528949644	99659972991961516911	45000050000000000000000000000000000000	50000500000057050000

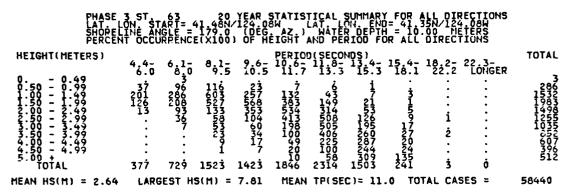
20 YR. STATISTICS FOR PACIFIC STATION 62 (41.58N/ 124.11W TO 41.48N/ 124.08W)

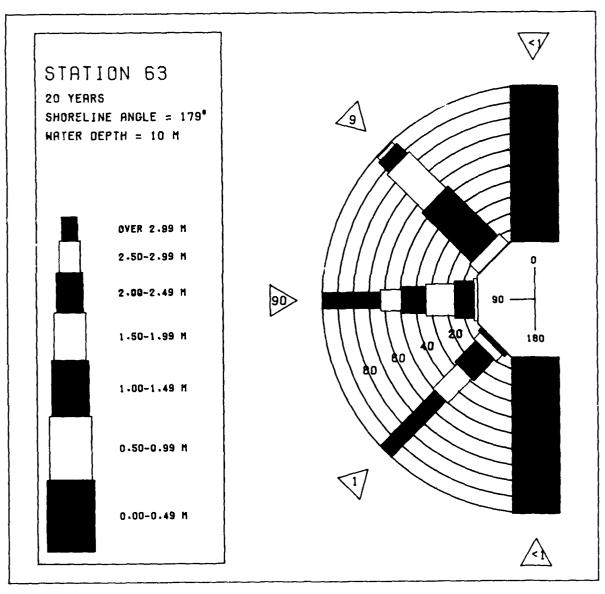
MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD MOST FREGUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES) STANDARD DEVIATION OF WAVE HS (RETERS)	2.6 11.0 90.0
STATIONED DEVIATION OF WAVE IP	2.5 7.8
WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCUPRENCE IS (YR, MO, DA, HR)	90.6 69121121

PHASE WAVE LAT SHORE PERCEI	3 ST APPROÁCI LON. ST LINE ANI NT OCCUI	63 H ANGL! ART= 4: GLE = RRENCE!	20 Y E(RELA 1.48N/ 179.0 (X1000	(EAR WA TIVE T 124.00 (DEG.	VE DIE O SHOE NAZ) EIGHT	RECTION RELINE AT LO WATER AND PR	N STATI	STICAL REES)= 1= 41.1 1 = 10.1	SUMMAN 0 5N/124 00 ME CTION	RY - 14.9 .084 TERS	
HEIGHT(METERS)							ADS)				TOTAL
99999999999999999999999999999999999999	*6.0 :	6 8 . 0 :	89.5 :	9.6- 10.5	11.7	13.3	15.3	15.4-ī	18.2-	LONSER	00000000000
3.50 ~ 3.99 4.00 ~ 4.49 4.50 ~ 4.99 5.00 +	:	:	:	:	:	:	:	:	:	•	Ŏ
TOTAL	Ó	Ō	Ô	Ò	Ò	Ò	Ò	Ö	Ó	Ó	_
MEAN HS(M) = 0.	LARG	EST HS	(M) =	0.	MEAN	TP(SE(C) = (). HL	MBER OI	F CASES =	0
	3 ST APPROÁCI LON. ST. LINE ANO NT OCCUI	63 H ANGLI ART= 4 GLE = RRENCE	20 Y E(RELA 1.48N/ 179.0 (X1000					STICAL REES): 1 = 41.3 1 = 10.3 3 DIRE	SUMMAR 15.0 5N/124 00 ME CTION	RY -08W -08W TERS	
HEIGHT(METERS)	4.4- 6.0	6.1- 8.0	8,1- 9.5	9.6- 10.5	PERIOU 10.6- 11.7	11.8- 11.8- 13.3	15.3 15.3	15.4- 18.1	18.2- 2	22.3- LÖNGER	TOTAL
001-12273144 001-12273144 001-12273144 001-12273144 001-12273144 001-122731449	212 1442 761 51	51 136 173 65	:	•	•	:	•	•	:	•	0300745000 157711
3.50 - 3.99 4.50 - 4.99 4.50 - 4.99	:	:	:	:	:	:	:	:	:	•	Ö
5.00 TOTAL	2466	434	ċ	Ò	ò	Ċ	ò	ò	ò	ò	0
MEAN HS(M) = 1.41 PHASE WAYE LAT. SHORE PERCE! HEIGHT(METERS)	3 ST APPROÀCI LON. ST. LIME AN NT OCCUI			(EAR WA TIVE T 124.08 (DEG.	VE DIE O SHOE W AZ.) EIGHT		N STATI IN DEC ON. ENG P DEPTH ERIOD E	STICAL REES)= 1= 41.1 1= 10.	SUMMA! 45.0 5N/124 00 ME CTION	CASES =	1697
	4.4- 6.0	6 1- 9 0	8 j. 5	9.6- 10.5	10.6.7	113.3	13.4~ 15.3 i	15.4- 18.1	18.2- 2	22.3- LONGER	
99999999999999999999999999999999999999	4 6 88 88 6	6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 -	527 32710 32710 16732 16733 153	83 604 1144 788 179 755	22077 121631 12135 •	211 3111	i : : :		•	:	94629575130 447526162 460063
IUIAL			7178	2889	795	146	i	Ó	Ö	Ċ	
PHASE HAVE LATE SHORE HEIGHT (METERS)	3 ST APPROÁCI LON. ST LINE ANO NT OCCUI		20 Y E (REL A 1 48 N/ 1 79 00 0	(EAR WA TTYE T 124.03 (DEG.	VE DIE O SHOE W AZ) EIGHT		STATI IN DEC IN EPTE PERIOD E	STICAL REES)= 1 = 10. 1 = 10. 3 DIRE	SUMMAR 75.0 5N/124 00 ME CTION	CASES =	10147
	4,4-	6;1ō	8,1- 9,5	9.6. 10.5	10.67	(SECON 11383				ZONGER	_
99999999999999999999999999999999999999	415161	6 8 2577818 2577818 111111111111111111111111111111111	8 6757557143 . 67588221	1577873 1577873 1577873 12570873 12570874 125708 125708 125708 125708 125708 125708 125708 125708 125708 125708 125708 125708 125708 125708 125708 125708 125708 1257	4999053798 1166281798 12531798	179389183315 441009183315 1399389183315 4410091957	.87777952614 713650736 25266840	52847137287 31597729457 122234 12	i 3 13 23 i	•	174814685047 1075560040217 122198580

MEAN HS(M) = 2.90 LARGEST HS(M) = 7.81 MEAN TP(SEC) = 11.9 NUMBER OF CASES = 45231

	ST 63 PROACH AI IN. START INE ANGLE I OCCURREI	GLE(REL 41.48N 2 179.0 4CE(X100								
HEIGHT(METERS)	4.4- 6.	l- 8,1-	9.6- 10.5	PERIOD	(SECOND 11.8-1	(§) (§,4- 1	5,4- 1	18,2- 2	2.3-	TOTAL
99999999999999999999999999999999999999	: 10		10.5	11.7	13.3	15.3	18.1	22.2	LUNGER	20
1.00 - 1.49	\$ 30 5 40	25	į	. <u>3</u>	;	:	÷	:	:	55 104
2.00 - 2.49 2.50 - 2.99 3.00 - 3.49	6 10	148	183 185	17 78	17	:	:	•	:	267 412 446
3.50 - 3.99 4.00 - 4.49		124942295558 12494583	48551 1514 15251 1834	165 123	66 66	3	:	:	:	2506144847 12444842
4.50 - 4.99 5.00 + TOTAL	1i 31:		18 486	37 178 163 163 173 163 173 173 173 173 173 173 173 173 173 17	17:586535 66535 27:586535	3 15 29 47	ô	Ò	ñ	127
0.500 - 3.49 0.500 - 1.22 0.500 - 2.49 0.500 - 3.49 0.500 - 3.49 0.500 - 4 0.500 - 4 0.500 - 3.49 0.500 - 4 0.500 - 4 0.500 - 3.49 0.500 - 3.49 0.500 - 3.49 0.500 - 3.49 0.500 - 4 0.500 - 3.49 0.500	HS(M) =			TP(SEC)		.0 NU	IBER OF	CASES =	1358	
PHASE WAYE AL LAY EL SHOREL	ST. 63 PROACH AI DN. START INE ANGLE I OCCURREI	GLE(REL)	YEAR WA	VE DIR	ECTION ELINE I AT. LON WATER	STATIS N DEGR L END=	TICAL EES)= 41.35	SUMMAR 135.0 N/124.	Y - 164.9 08W	
	T OCCURRE	NCE (XÍÒÒ								TOTAL
HEIGHT(METERS)	4.4- 6.	l- 8,1- 0 9.5	9.6~ 10.5	10.6-	(SECOND 11.8-1 13.3	3.4~ 1 15.3	1: 4- 1 18.1	8.2- 2	2 3- LONGER	TOTAL
0.50 - 0.49 0.50 - 0.99	į		:	:	:	:	:	:	:	0 1
1.50 - 1.99	3		•	•	:	•	:	•	:	\$
2.50 - 2.99 3.00 - 3.49			:	:	:	:	•	:	:	į
99999999999999999999999999999999999999	•		:	:	:	•	•	:	:	ŏ
	5	ò	Ö	ò	Ó	ò	ò	Ò	Ö	ŏ
MEAN HS(M) = 1.77	LARGEST	HS(M) =	2.58	MEAN	TP(SEC)	= 6.	1UN 0	IBER OF	CASES =	7
PHASE HAVE A	3 ST 63 PPROÁCH AI ON START: INÉ ANGLE I OCCURREI	YGLE (REL	YEAR WA	VE DIR	ECTION ELINE I AT LON	STATIS N DEGR	TICAL EES)=	SUMMAR 165.0 N/124	Y - 180.0 연합됐	
	T'ÒCCURREI	IČE (XÍOŎ							24.3	
HEIGHT(METERS)	4.4- 6.	1- 8,1- 0 9.5	9.6- 10.5	PERIOD 10,6-	(SECOND 11.8-1 13.3	(5) (3,4-, 1	5.4- 1	8,2- 2	2 3- LONGER	TOTAL
0. 0.50 - 0.49	:	. , , ,	:	11.7	:	:	:	:	:	8
1:50 - 1:49	:	: :	:	:	•	:	:	:	:	Š
99999999999999999999999999999999999999	:		:	:	:	:	:	:	:	0000000000
3.50 - 3.99 4.90 - 4.49	•	: :	•	•	•	•	•	:	:	Ó
99999999999999999999999999999999999999	Ò	 5 ò	ò	Ö	Ò	Ó	Ó	Ö	Ò	8
MEAN HS(M) = 0.	•	HS(M) =	0.	MEAN	TP(SEC)	-	NUN	•	CASES =	0





WIS STATION 63 (41.48N/ 124.08W TO 41.35N/ 124.08W)

MONTH

	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R5555666666666777777 E99999999999999999	neutanntentantannnnuttan	MANAMANAMANAAMAAMA	20150479-10777-467-47-080	15809-04409-0000-0000-0000-0000-0000-0000-	2000-000-000-000-000-000-000-000-000-00	21-1-1-10-10-10-1-1-1-1-1-10-10-1-1	161-171-171-171-171-171-171-171-171-171-	เกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะ	58704679768147595268	มาการการการการการการการการการการการการการ	944ค8	32090438940844247742	Managananananananananan Managanananananananan
MEAN	3.7	3.7	3.2	2.7	2.0	1.8	1.6	1.5	1.7	2.6	3.5	4.0	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 63 (41.48N/ 124.08W TO 41.35N/ 124.08W)

HTHOM

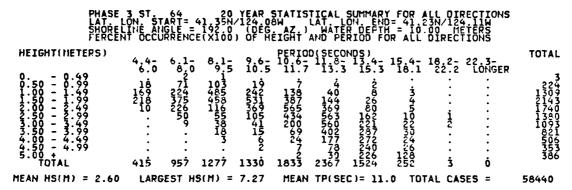
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 A55556666666666789012345 E99999999999999999	946666556565654666675	804044100677415400000000	000070H00H10746H60H64	06-100044045055555555555555555555555555555	47ภภ446ภ7ของปลุดภูสตาส	9-621-847-มี9-27-มี-14-ที่7-21-6ที่ก	NUMBER OF THE PROPERTY OF THE	ช่องบุคมาการแบบทาการแบบทางเกาะเส	พหางเลยสารถเกาสาทางเลยสารเลยสารเลยสารเลยสารถสารถเลยสารถสารถสารถสารถสารถสารถสารถสารถสารถสารถ	017,60087000070,606100 4545655646464545454	4566656566665666665566	56666566666657756666
17/5	2.3	6.0	2.4	J.4	3.0	۷.5	2.3	6.0	1.4	4.2	6.1	0.3

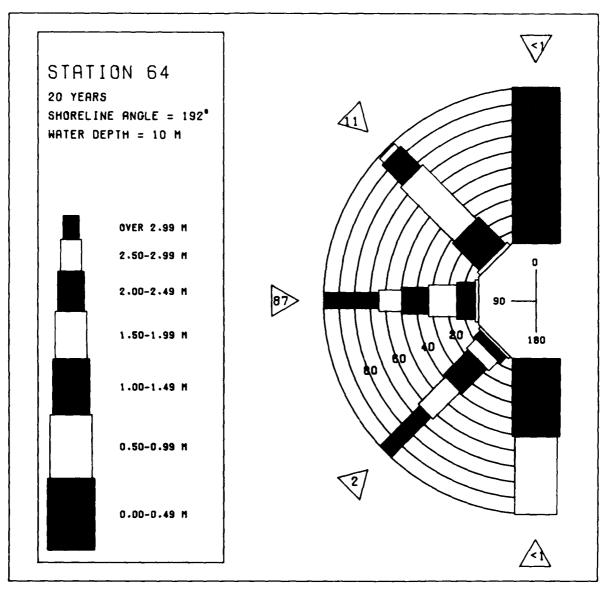
20 YR. STATISTICS FOR PACIFIC STATION 63 (41.48N/ 124.08W TO 41.35N/ 124.08W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECONDS)	2.6
MEAN PEAK WAVE PERIOD (SECONDS) MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	11.8
STANDARD DEVIATION OF WAVE HS (METERS)	′ <u>ĭ:ž</u>
STANDARD DEVIATION OF WAVE TP (SECCNDS) LARGEST WAVE HS	1.2 2.5 7.8 16.7
MAYE TP AUSOCIATED WITH LARGEST WAVE HS (SECONDS)	16.7
LARGEST WAVE HS WAVE TP A SOCIATED WITH LARGEST WAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	69121121

PHASE LATE SHORE PERCE	APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENCE	20 YEAR BLE (RELATIVE 41 35N/124 1920 (DE E(X1000) OF	HAVE DIRECTION TO SHORELING LATER HAT HAT HAT HAT HAT HAT HAT HAT HAT HAT	ON STATIST IE IN DEGRE LON. END= ER DEPTH = PERIOD BY	ICAL SUMMA ES)= 0 41.23N/124 10.00 ME DIRECTION	RY 	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0		PERTODI SEC				TOTAL
0 0.4° 1.50 - 1.49 1.500 - 1.49 2.500 - 2.49 3.500 - 3.49 3.500 - 3.49 4.500 - 4.99 5.00 + 4.99 5.00 + 4.99 5.00 + 4.99 6.00		6 6	0 0		6 0	in the state of th	0000000000
MEAN HS(M) = 0.	LARGEST H	IS(M) = 0.	MEAN TP(S	SEC) = 0.	NUMBER O	F CASES =	0
	3 ST 64 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC	LE(20 YEAR LE(RELATIVE 41.35N/124 192.0 (DE E(X1000) OF			ICAL SUMMA ES)= 15.0 41.23N/224 10.00 ME DIRECTION		
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8,1- 9,6 9.5 10.	PERIOD(SEC 10.6-11.8 5 11.7 13.	(01:05) 3 15.3 1	8.1 18.2- 8.1 22.2	22.3- LÖNGER	TOTAL
- 0.49 - 0.49 - 0.49 - 0.49 - 1.29 - 1.29	6i 10 766 152 467 477 . 58 						71448000000 714480000000
TOTAL MEAN HS(M) = 1.50	1294 697 Largest H	0 0 (15(M) = 2.44	0 0 MEAN TP(S) 0 (EC) = 5.8	0 0 NUMBER 0	0 F CASES =	1165
PHASE LAYE LAYE PERCE	3 ST 64 APPROACH ANG LON START= LINE ANGLE = NT OCCURRENC	LE(RELATIVE 419200104 19200105					
HEIGHT(METERS)							TOTAL
HEIGHT(METERS)	4.4- 6.1-	8.1- 9.6					A 977775-1209000 A 208797000 4708715-1
HEIGHT(METERS)	4.4- 6.1- 6.0 2.68 1023 2.685 1683 7.8652 1.333	8 9 10 3589898989898989898989898989898989898989	PERIOD(SEC 10.6.7 113. 8 1 8 5 1 1		6.4- 18.2- 8.1 22.2 	22 3- LONGER : : : : : : : : : : :	93551209 22840363 4682563
HEIGHT (METERS) 0 0.49 1.50 - 0.49 1.50 - 1.99 2.50 - 2.99 3.50 - 3.49 4.50 - 4.49 5.00 + TOTAL MEAN HS(M) = 1.76 PHASE WAYE SHORE PERCE	4.4- 6.1-0 1.03-265521 1.03-2	8 1 - 9 6 3 5 6 3 5 6 5 6 5 6 5 6 6 5 6 6 6 6 6	PERIOD(SEC 10167 133 8 1 8 5 1 1 7 133 8 5 1 1 7 133 28 6 MEAN TP(S	ONDS) 15.3 15.3 15.3 16.3 16.3 17.3 17.3 18.3 19.3 19.3 19.3 19.3 19.3 19.3 19.3 19	0 0 NUMBER OF STATE O	22 3- LÓNGER : : : : : : : : : : : : : : : : : : :	97365-1-2599000 466265-1 7462665-1 746265-1 74665-1 7465-1 7465-1 7465-1 7465-1 7465-1 7465-1 7465-1 7465-1 746
HEIGHT(METERS) 0 0.49 0.50 - 0.49 1.50 - 1.49 2.50 - 2.49 2.50 - 2.49 3.50 - 3.49 4.50 - 4.49 4.50 - 4.99 5.00 + TOTAL MEAN HS(M) = 1.76 PHASE WAYE LATORE PERCE HEIGHT(METERS)	4.4- 6.1-0 1.03-265521 1.03-2	8 1 - 9 6 3 5 6 3 5 6 5 6 5 6 5 6 6 5 6 6 6 6 6	PERIOD(SEC 1016.7 13.6 6 1.7 8 5 1 1.7 8 6 5 1 1.7 28 6 MEAN TP(S MEAN TP(S	ONDS) 4- 15 3 15.3 1 0 6 EC) = 6.8 ON STATEGRE EN DENH = 15 PERIOD = 2 PERIOD = 15 PERIOD = 15 PERIOD = 15 PERIOD = 15 PERIOD = 15	0 0 0 NUMBER OF STATE OF STATE SUMMAR STATE STATE STATE OF STATE O	22.33-1 LÓNGER 	4289403543 4288403563 0000 6389
HEIGHT (METERS) 0 0.49 1.50 - 0.49 1.50 - 1.99 2.50 - 2.99 3.50 - 3.49 4.50 - 4.49 5.00 + TOTAL MEAN HS(M) = 1.76 PHASE WAYE SHORE PERCE	4-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1	8 1- 9 6 3 5 10 35 8 3 7 7 10 3 8 4 7 8 7 10 2 10 10 10 10 10 10 10 10 10 10 10 10 10	PERIOD (11 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ONDS) 4- 15 3 15.3 1 6 6 8 ON STATISTE IN DEGREE IN DENTH PERIOD BY PERIOD BY ONDS) 4- 15 3 15.3 1	0 0 NUMBER OF STATE O	22.33-1 LÓNGER 	97365-1-2599000 466265-1 7462665-1 746265-1 74665-1 7465-1 7465-1 7465-1 7465-1 7465-1 7465-1 7465-1 7465-1 746

PHASE HAYE AL HAYE AL SHOREL PERCEN	ST. 64 PPROACH AN ON. START= INE ANGLE TOCCURREN	GLE(RELA 41,35N/ = 192.0 CE(X1000	EAR WAY TIVE TO 124.08 (DEG.	VE DIR D SHOR AZ.) EIGHT	CTION LINE I LT. LON WATER AND PER	STATIS N DEGR END= DEPTH IOD BY	TICAL EES)= 41.23 = 10.0 DIREC	SUMMAR 105.0 N/124 0 MET TION	Y 1114 ERS	
HEIGHT(METERS)	4.4- 6.1 6.0 8.	- 8,1 ₋	9.6- 10.5	PERIOD:	SECOND 11.8- 1 13.3	§) 3.4- 1 15.3	5.4- 1 18.1	8.2- 2 22.2	2.3- LÓNGER	TOTAL
- 0.499 - 0.499 - 1.22499 - 1.22499	. 39 5 18 . 107 . 25 25 	052508955 ·5	355531830010 13628310010 400	125150088875 195150088875	· · · 850560015	· · · · · · · · · · · · · · · · · · ·	: : : : :			04059452022 2577297952 114542
MEAN HS(M) ≈ 2.81	LARGEST	HS(M) = (6.07	MEAN '	TP(SEC)	= 10.	1 NUM	BER OF	CASES =	1347
	3 ST 64 PPROACH AN ON START= INE ANGLE T OCCURREN	20 YI GLE (RELA) 4 1 92 0 CE (X1000					TICAL EES)= 41.23 = 10.0 DIREC	SUMMAR 135.0 N/124. 0 MET TION	Y - 164.9 11W ERS	
HEIGHT(METERS)	4,4- 6,1 6,0 8.	ē 8,1-	9.6- 10.5	PERIOD: 10.6- 11.7	SECO:40 13.3	\$) 3.4- 1 15.3	5.4- 1 18.1	8.2- 2: 22.2	2.3- LÖNGER	TOTAL
	5 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	: i 3 : :								54400300000
MEAN HS(M) = 1.41	LARGEST	HS(M) = :	2.55	MEAN '	(P(SEC)	= 6.	8 NUM	BER OF	CASES =	30
PHASE WAYE AL LATE SHOREL PERCEN	3 ST PPROACH AN ON. STARTS INE ANGLE T OCCURREN	GLE(RELA 41.35N) = 192.0 CE(X1000	EAR WATTIVE TO 124.08	VE DIR	ECTION ELINE I AT LON WATER AND PER	STATIS N DEGR END= DEPTH IOD BY	TICAL EES)= 41.23 = 10.0 DIREC	SUMMAR 165.0 N/124 0 MET	Y - 180.0 11W ERS	
HEIGHT(METERS)	4,4- 6,1 6.0 8.	ō 8,1,5	9.6- 10.5	PERIOD:	SECOND 11.8- 1 13.3	S) 3.4- 1 15.3	5.4- 1 18.1	8.2- 2 22.2	2.3- LÖNGER	TOTAL
99999999999999999999999999999999999999	: : : : : : : : : : : : : : : : : : :	: : : : : :				: : : : :				00000000000
MEAN HS(M) = 0.	LARGEST	HS(M) = (U.	MEAN	FP(SEC)	= 0.	NUM	BER OF	CASES =	0





WIS STATION 64 (41.35N/ 124.08W TO 41.23N/ 124.11W)

HONTH

	MAL	FEB	MAR	APR	MAY	MUL	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R67890123456789012345	9-05-M-09-7-04-5-04-09-00-4-09-0	400784กากจานการงอง4978	การแบบ เล่า เล่า เล่า เล่า เล่า เล่า เล่า เล่า	มีของการและการและการและการและการและการและการและการและการและการและการและการและการและการและการและการและการและการ เรียบการและการและการและการและการและการและการและการและการและการและการและการและการและการและการและการและการและการ	2222412241422414222222222	95557-17-17-17-16-879-2006	171777777777777777777777777777777777777	111111111111111111111111111111111111111	1111211111111211111112110	นกมากมากมายนายนายนายนายนายนายนายนายนายนายนายนายนา	างกระที่กระที่สุดกอบกระที่สุดกระที่สุดการกระที่สุดการกระที่สุดการกระที่สุดการกระที่สุดการกระที่สุดการกระที่สุด	00008450648751444500	N45866555766549858688 ENGLINE CONTROL
MEAN	3.5	3.5	3.2	2.7	2.1	1.8	1.7	1.6	1.7	2.5	3.4	3.7	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 64 (41.35N/ 124.08W TO 41.23N/ 124.11W)

MONTH

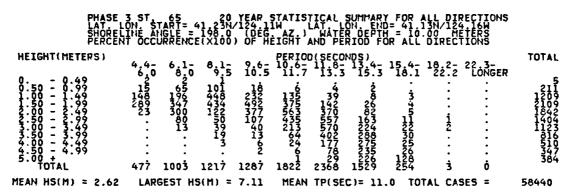
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	94431397111153993515	7,000,007,007,87,000,108	08196755948956467448	54665444545454555555555555555555555555	พลานายายายายายายายายายายายายายายายายายายา	965485777715614574448	4848444 กษาการบางการการการการการการการการการการการการการก	บานการการการการการการการการการการการการการก	มางคณาโกลาสาราชาการาชาการาชาการาชาการาชาการาชาการาชาการาชาการาชาการาชาการาชาการาชาการาชาการาชาการาชาการาชาการา	9494999695998H8M98VM	นาน44นอุกกาสขอนภอนาลบจ ชหองอธาภาษองชายกอกอธายก	50550550606667756665

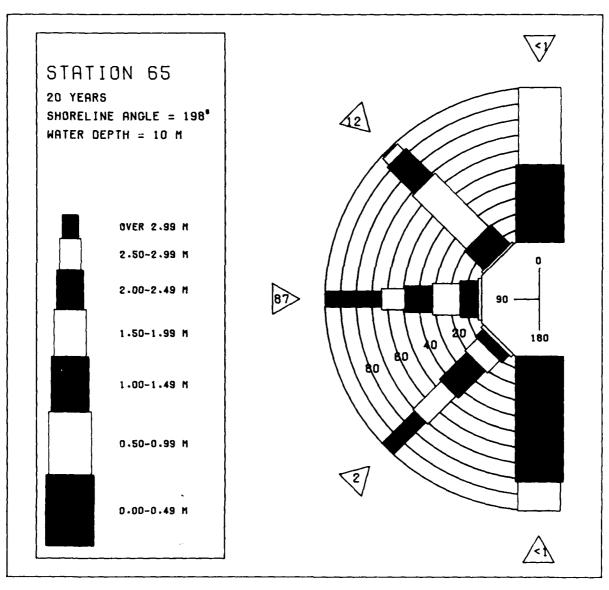
20 YR. STATISTICS FOR PACIFIC STATION 64 (41.35N/ 124.08W TO 41.23N/ 124.11W)

MEAN SIGNIFICANT MAVE HEIGHT	2.6 11.0 90.0
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES) STANDARD DEVIATION OF MAVE HS	1.1
LÀRGEST MAYE HS MAYE TP ASSCCIATED WITH LÀRGEST WÀYE HS (SECONDS) AVERAGE DIRECTION ASSCCIATED WITH LARGEST WAYE HS (DEGREES)	16.7
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	69121121

PHASE HAYE A Lat Shorel Percen	3 ST. 65 IPPROACH ANGL ON. START= 4 INE ANGLE = IT OCCURRENCE	20 YEAR W E(RELATIVE 1.23N/124.1 1.98.0 (DEG (X1000) OF	AVE DIRECTO SHORELTO SHORELTO LATE	TION STATIS THE IN DEGR LON. END: ATER DEPIH DERIOD BY	TICAL SUMMAR EES) = 0 : 41.13N/124 = 10.00 MET DIRECTION	7Y
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8,1- 9,6- 9.5 10.5		ECONDS 1	5.4- 18.2- 1 18.1 22.2	TOTAL
99999999999999999999999999999999999999	6.0 8.0	9.5 10.5	11.7 1 : : : :	3.3 15.3 	18.1 22.2 	LONGER
MEAN HS(M) = 0.	LARGEST HS		MEAN TP	•	-	F CASES = 0
PHASE WAYE A SHOREL PERCEN HEIGHT(METERS)	BASTICH 65 BANGLE 40 ON STARTE 4 INE ANGLE 4 IN OCCURRENCE			ECCMOS 1		TOTAL
99999999999999999999999999999999999999	4.4- 6.1- 6.0 8.0 25 58 716 470 11 160	8915 965 9.5 10.5	Til7 Ti	3.3 15.3 : :	.5.4- 18.2- 4	22.33- LONGER 0 653 1186 176 15
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL MEAN HS(M) = 1.63	: : : : : : : : : : : : : : : : : : :	: : : : 0 0 (M) = 2.97	: : 0 Mean TP	: : : : 0 0 (SEC) = 5.		Ö Ö
PHASE WAYE LAT SHORE PERCEN	3 ST 65 PPROÀCH ANGL ON START 4 IN ANGLE = IT OCCURRENCE	20 YEAR W E(RELATIVE 1,23N/124 198.0 (OEG (X1000) OF	AVE DIRECTO SHOREL LATURE LATU	TION STATIS INE IN DEGR LON. END ATER DEPTH O PERIOD BY	TICAL SUMMAR EES)= 450 41013N/124 = 1000 ME DIRECTION	RY
HEIGHT (METERS) 0.499999999999999999999999999999999999	4.4- 6.1-0 9.2 1654 2132 2544 2132 2546 6.10 87. 6.10 87. 6.10 87. 6.10 87. 6.10 87. 6.10 87. 6.10 87. 6.10 87. 6.10 87. 6.10 87. 6.10 87. 6.10 87. 6.10 87. 67. 67. 67. 67. 67. 67. 67. 6	8:1- 9:5 10:5 10:0 147 3 126 8 125 17 133 17				TOTAL 22.3- LÖNGER : 2769 : 4793 : 2628 : 237 : 50
5.00 + TOTAL	3236 6944	675 44	4	ó ó	Ó Ó	Ó
MEAN HS(M) = 1.87	3 ST. 65 IPPROACH ANGL ON. START= 4 INE ANGLE = IT OCCURRENCE			TION STATIS INE IN DEGR LON ENDE ATER DEPTH DERIOD BY	STICAL SUMMAR EES)= 75.0 41.13N/124 = 10.00 DIRECTION	RY - 104.9 TERS TOTAL
- 0.49 0.50 - 1.49 1.99 1.	149 2128 1	8 91-5 10-37 9-15-5 17-37 9-15-5 2-38-15-1 9-15-5 2-38-15-1 9-15-5 2-38-15-1 10-7 15-8 1-7 08-82 12-43-4 (M) = 7.11	1365 3674 36773 541875 41876 41876 19774 1778 256 233 1778 17581		1 ·	22.3- LONGER 34 1785 1785 17874 14874 12716 10509 1050

	ST. 65 PPROACH ANG DN. START= LINE ANGLE = T OCCURRENC	20 YEAR LE(RELATIVI 41.23N/124 198.0 E(X1000) O				CAL SUMMA \$)= 105.0 1.13N/124 10.00 ME 1RECTION	RY - 134.9 16W TERS	
HEIGHT(METERS)	4,4- 6,1-	8,1- 96 9.5 10	PERIO 6- 10.6- 11.7	D(SECONO 11.8-1	(§) (3.4- 15. 15.3 18	4- 18.2- .1 22.2	22.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 0.99 1.00 - 1.49			÷ •	:	:		:	40 183
1.50 - 1.99 2.50 - 2.99 2.50 - 2.99		126 11 131 12	1 160 3 172	15 100	3 20 20	: :	•	258 559 579
99999999999999999999999999999999999999	. 25	29 102 192 126 127 131 139 44 13	7502567710 1667567710 17502567710	154 1506 1147 2101 372	350252636 2322		:	00386900995 4855910831 1255552
0.499 0.499 1.500 - 1.999 1.5000 - 1.2299 2.5000 - 1.3349 2.5000 - 1.3349 2.5000 - 4.99 2.5000 - 4.99	 6 245	637 43		372	116	 Ö Ö	Ò	13
MEAN HS(M) = 2.68	LARGEST H	S(M) = 5.79	5 MEAN	TP(SEC)	= 10.3	NUMBER C	F CASES =	1469
PHASE AND AND SHOREL	ST. 65 PROACH ANG ON. START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIVI 41.23N/124 198.0 (DI	WAVE DI TO SHO 11W EG. AZ.)	RECTION RELINE I LAT. LON WATER	STATISTI N DEGREE 1. END= 4	CAL SUMMA S)= 135.0 1.13N/124 10.00 ME	RY - 164.9 16W	
HEIGHT(METERS)				AND PER D(SECOND 113.3				TOTAL
0.50 - 0.49	4;4- 6;1- 17 8:0	89.5 10	.5 111.7	113.3	(3.4- 15 15.3 18	4- 18.2-	Z2.3- LONGER	17
99999999999999999999999999999999999999	*6 10 3 11 : 10	i 6		•	:		:	178846100000
2:50 - 2:99 3:00 - 3:49 3:50 - 3:99	: -i	:					:	0
- 499 - 499 - 1.499 - 1.223 - 1.500 -	; ; 29 38	; 7	: : 5	:	:	: :	:	0
MEAN HS(M) = 1.24		S(M) = 2.7	-	TP(SEC)	U = 6.8	Ó Ó NUMBER C	F CASES =	47
PHASE HAYE AL HAYE AL SHOREL PERCEN	3 ST. 65 PPROACH ANG ON. START= INE ANGLE = I OCCURRENC	20 YEAR LE(RELATIV 41.23N/124 198.0 (D) E(XI000) 0	HAVE DI FTO SHO EG AZ) HEIGHT	RECTION RELINE I LAT LON WATER AND PER	STATISTI IN DEGREE 1. END= 4 DEPTH = 2100 BY D	CAL SUMMA \$)= 165.0 1.13N/124 10.00 ME IRECTION	RY - 180.0 16W TERS	
HEIGHT(METERS)	4640 610	8;1- 9;6 9.5 10	PERIO	113.3	(§) 3.4- 15.	4 ₁ 18.2-	22.3- LONGER	TOTAL
0:50 - 0:49 0:50 - 0:99 1:00 - 1:49	5 :			:	:		:	5 0 0
- 499 - 499 499 		•		:			:	Ŏ
99499999999999999999999999999999999999	: :	:		:	•	: :	•	5000000000
- 0.49 - 0.49 - 0.49 - 0.49 - 1.49 - 1.22 - 1.22	 5 0	ò	· ·	Ö	Ö	 Ó Ó	Ö	ő
MEAN HS(M) = 0.21	LARGEST H	S(M) = 0.2	3 MEAN	TP(SEC)	= 5.3	NUMBER O	F CASES =	3





WIS STATION 65 (41.23N/ 124.11W TO 41.13N/ 124.16W)

MONTH

	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC	
R67890123456789012345 A55556666666666777777 E999999999999999999	O-GUNCHING TOPH O-MO-MONING CHINA	4077842ณฑิการทั้ง84972 การการการการการการการการการการการการการก	กกางงากงากงากงากกากการการ	มชองธนาคณอยลาครากการ	からしてもののいてののからいっちゃっというないというというというというというというというというというというというというという	21-1-1-12-12-12-1-1-1-12-12-12-12-12-12-	779866766779778846277	111-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	111121111111111211111111111111111111111	ณะนายการที่ 140 ค.ศ. 140 ค.ศ. 140 ค.ศ. 140 ค.ศ. 140 ค.ศ. 140 ค.ศ. 140 ค.ศ. 140 ค.ศ. 140 ค.ศ. 140 ค.ศ. 140 ค.ศ.	างเกาดูเกางเกากากการกากกาง เมากากกากกากการกากการกากการเ	0068841515648721-1447219	A34maooninin-oon4oanaoa4 Economiconomiconomiconomico E
MFAN	3.4	3.5	3.2	2.7	2.1	1.9	1.8	1.6	1.7	2.5	3.4	3.7	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 65 (41.23N/ 124.11W TO 41.13N/ 124.16W)

MONTH

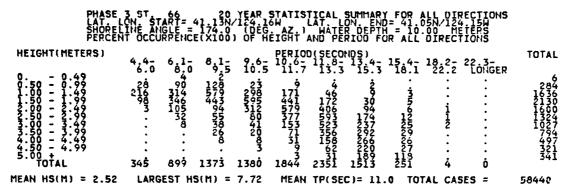
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC
Y1111111111111111111111111111111111111	74431307114053793475 54666654756544556655	6091819649787780186009	ตองจุดากการของกองอุกรของ เกราจุดากการของกองอุกรของเกราจุดอุกร	14118094MM707850M08M	9944444000940968967944	๛ ๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛	ผลเกลายนายนายนายนายนายนายนายนายนายนายนายนายนา	ผลมายลายลายลายลายลายลายลายลายลายลายลายลายลา	and and the same a	90,400,400,400,400,400,400,400,400,400,4	91144717721000068114810	5655655666666676566665

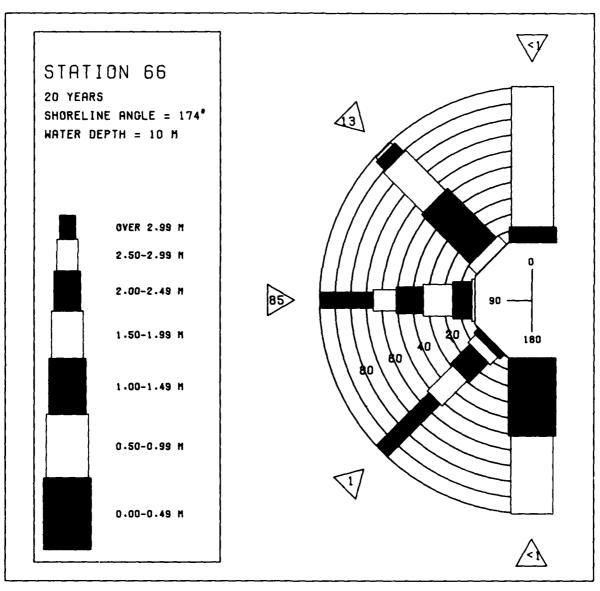
20 YR. STATISTICS FOR PACIFIC STATION 65 (41.23N/ 124.11W TO 41.13N/ 124.16W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECONDS)	_2.6
MACT CACALICIT TA A ACCACE (ACNTED) ATACATTAN ALUA (ACCACACA)	90.0
STANDARD DEVIATION OF HAVE HS (BETERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	Ţij
STANDARD DEVIATION OF WAVE TP LARGEST WAVE HS WAVE IP ASSOCIATED WITH LARGEST HAVE HS	7:1
LARGEST WAVE HS OF MAYERS HAVE HS (METERS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DITTOR OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	16.7 96.6
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	6912ÍĬŻĬ

PHASE ALAT ELMAYE LATT LELMAYE LATT LATT LATT LATT LATT LATT LA	STICH 66 NG ON STARTE TO COURRENCE 44- 610 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.	8 j1- 9 6 i	PERTOD (SEC	· · · · · · · · · · · · · · · · · · ·		00000000000
HEIGHT(METERS) - 499 - 1122499 - 500 - 122499 - 122499 - 122499 - 122499 - 122499 - 122499 - 122499 - 122499 - 122499 - 122499	46.0 61.0 236 128 1901 1016 742 239 	20 YEAR 41.13 N/124 41.13 N/124 41.13 N/124 41.13 N/124 61.13 61.14 61.15 61.1		: : : : : : : : : : : : : : : : : : :	L SUMMARY 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0	TOTAL 3648 20924 20924 20000
PHASE AL LANGE AND AND AND AND AND AND AND AND AND AND	4,4- 6,1- 6,0 8,5) 2,58 16,78 2,57 11,58 2,7 6,38 2,7 6,38 1,36 1,36 1,36 1,36 1,36 1,36 1,36 1,36	8 1 - 9.6 209 148 4329 1728 3348 3528 506 196 100 106 46 15 1	PERIOD (SEC 10.6-11.8-1 11.7-13.1 547-10 1707-1707-1707-1707-1707-1708-1708-1708-	DNDS) 3 15.3 16.1 16 i 6 i 15.3 17.		65047651458 88047645775 18062171 180621
PHASE ALL HAVE ALL HA	4,4- 6,1- 6.0 8.0 1267 68 566 . 377 	8,1- 9,6	PERIOD (SECOND 113.3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2ND914-3 15-15-15-15-6-6-6-6-6-6-6-6-6-6-6-6-6-6-	L SUMMARY 104. 25. 2 104. 205. 2 2 2 3- 2 2 3- 2 2 2 3- 2 2 3- 2 2 2 3- 2 2 2 3- 2 2 2 3- 2 2 2 3- 2 2 2 3- 2 2 2 3- 2 2 3- 2 2 3-	TOT 4052214262143631463146314631463146314631

	3 ST PPROACH ANG ON. START INE ANGLE S T OCCURRENC	LE(RELATI 41,13N/12 1,74.0 E(X1000)				L SUMMARY = 105.0 - 05N/124.1 05N/124.1 ECTION	
HEIGHT (METERS)	4,4- 6,1- 6.0 8.0	8,1- 9 9.5 1	PERIO 0.5 10.7	13.3 13.3	5) 3.4- 15.4- 15.3 16.1	18.2- 22 22.2 L	TOTAL ÖNGER
99999999999999999999999999999999999999	; <u>,</u> j	ż	;	:	: :	:	. 62
1.50 - 1.49 2.50 - 2.99 2.50 - 2.99	1i 30 3 112 . 116	109 162	32 27 24 27	5 3	: :	: :	: 268 472
99999999999999999999999999999999999999	i	37 179 1099 1030 1130 1147	1577842555 29842555 15247842555 19740 1984255 1984255 1984255 198425 198	53434076 365220 2	55 185 13 13	:	42m82869992
0.500 - 1.2233.449 1.2233.449 1.2233.449 1.2233.449 1.2233.449 1.2233.449 1.2233.449 1.2233.449	14 345	659 3				Ò	0
MEAN HS(M) = 3.20	LARGEST H	S(M) = 7.	18 MEAN	TP(SEC)	= 9.7 N	UMBER OF	CASES = 1252
PHASE A WAYE AL LAT LL SHOREL PERCEN	3 ST. 66 PPROACH ANG DN. START= INE ANGLE = T OCCURRENC					L SUMMARY = 135.0 - 05N/124.1 -00 METE ECTION	164.9 5W 8S
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8.1- 9 9.5 1	PERIO 6- 10.6- 0.5 11.7	11.8-1 13.3	§) 3.4- 15.4- 15.3 18.1	18.2- 22 22.2 L	TOTAL ÖNGER
0.49 0.500 - 11.99 1.500 - 12.49 2.500 - 2.349 2.500 - 2.349 4.99 4.99 4.99 4.99 5.00 + 4.99 5.00 + 4.99 5.00 + 4.99 5.00 + 4.99 6.00 + 4.90 6.00 +	5,65	•					0578810000
37.539 15.539 15.539 15.539	: :	:	: :	:	: :	:	
5.00 + 4.99 TOTAL	16 13	ò	 0 0	Ġ		ó	. o
MEAN HS(M) = 1.62	LARGEST H	S(M) = 2.	54 MEAN	TP(SEC)	= 6.1 }	UMBER OF	CASES = 19
PHASE WAVE L LAT L SHOREL PERCEN	3 ST. 66 PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	20 YEA LE(RELATI 41.13N/12 174.0 E(X1000)				L SUMMARY = 165.0 - 05N/124.1 .00 METE ECTION	180.0 58 85
HEIGHT(METERS)	4.4~ 6.1 6.0 8.0	8.1- 9 9.5 1	PERIO 6- 10 6- 0.5 11.7	113.3	5) 3.4- 15.4- 15.3 18.1	18.2- 22 22.2 L	TOTAL ÖNGER
0.499 0.499 1.499 1.500 - 1.223 1.5500 - 1.223 1.5500 - 244 1.5500 - 44 1.5500 - 44 1.5500 - 44 1.5500 - 14 1.5500							. 0
2.50 - 2.99 3.00 - 3.49 3.50 - 3.99		•		•		•	99999999
4.00 - 4.49 4.50 - 4.99 5.00 + .	: :	:		:	: :	•	
MEAN HS(M) = 0.	Ó Ó Largest h	Ó S(M) = O.	O Ó MEAN	O TP(SEC)	0 0	0 IUMBER OF (O CASES = O





WIS STATION 66 (41.13N/ 124.16W TO 41.05N/ 124.15W)

						MONT	Н						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 435556666666666777777 1296999999999999999999	76575069747408700047	กอดาดสารกานการสารสารการการการการการการการการการสารการการการการการสารการการการสารการการการการการการการการการการ	9947.708097.746.78กการการการการการการการการการการการการการ	47985501098990001	220007-150007-15-00-1750	95456960606447681005	かいめてよういかのののかいているののかい	האינים המינים	58794678767046585469	0514644020508584825984	COMMONOMINATION OF THE COMMON	09-67-8015-66-58-65-1-05-15-15-15-15-15-15-15-15-15-15-15-15-15	Managanananananananan M

LARGEST HS(METERS) BY MONTH AND YEAR

3.5 3.4 3.1 2.6 2.0 1.7 1.6 1.5 1.6 2.4 3.3 3.7

WIS STATION 66 (41.13N/ 124.16W TO 41.05N/ 124.15W) MONTH

						110111	11					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC
R67890123456789012345 E999999999999999999999999999999999999	04666644756544666676	86709790175573764186 555655544446645656	86177771180777151777144	839970610068462171770	NATIONAL MANAMANANANANANANANANANANANANANANANANAN	พระบายการการการการการการการการการการการการการก	พองนางอนององอนองอนองเมลง	からいかくらいめののかっこのコイカルのついかくらいかくらいかくののかっこうというこうかっていることがあっていることがあっていることがあっていることがあっていることがあっている。これでは、これでは、これでは、これでは、これでは、これでは、これでは、これでは、	ALINO ON ON ALINO ON ON ON ON ON ON ON ON ON ON ON ON O	79517-6667400585177790	9994409H2H702M6H06066	00470004100007050000 505505500000000000000000000

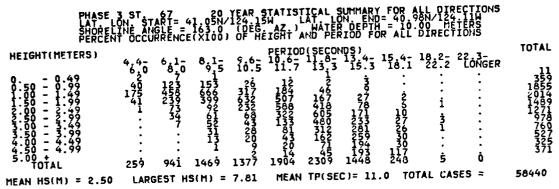
MEAN

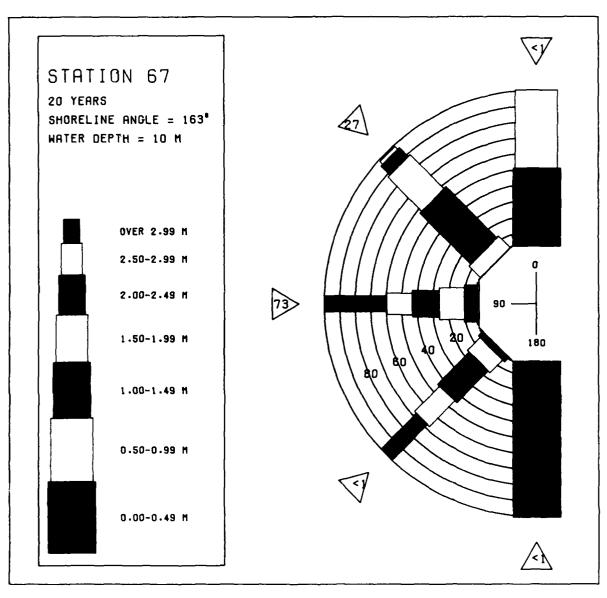
20 YR. STATISTICS FOR PACIFIC STATION 66 (41.13N/ 124.16W TO 41.05N/ 124.15W)

MEAN SIGNIFICANT WAVE HEIGHT	12.5 11.0
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES) STANDARD DEVIATION OF WAVE HS (METERS)	90. 0 1.1
STANDARD DEVIATION OF WAVE TP	7:7 16.7
LARGEST WAVE HE CONTROL WITH LARGEST WAVE HE CONTROL (SECONDS) AVERAGE DIRECTOR ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HE OCCURRENCE IS (YR, MO, DA, HR)	69121121

PHASE WAYE LAT Shore Perce	3 ST 67 APPROACH AI LON. START LINE ANGLE NT OCCURRE	MGLE(RELAT) = 41.05N/1 = 163.0 MCE(X1000)	AR WAVE DI IVE TO SHO (DEG. AZ.) OF HEIGHT	RECTION STATE RELINE IN DE LAT. LON. EN HATER DEPT AND PERIOD	ISTICAL SUMP GREES) = 0 D= 40.98N/1 H = 10.00 BY DIRECTION	ARY 114.9 ETERS	
HEIGHT(METERS)	4640 6			11.87 13.4 13.3 15.3			TOTAL
99999999999999999999999999999999999999		.0 9.5 1	10.5 11.7	13.3 15.3	\$ 18.1 22.1 	LONGER	M0000000000
MEAN HS(M) = 0.16	_	HS(M) = 0.	•	TP(SEC) =	-	OF CASES =	3
PHASE MAVE LATE SHORE PERCE HEIGHI(METERS)		NGLE(RELAT) = 41.05N/12 = 41.05N/12 NCE(X1000)			ISTICAL SUM GREES) = 15 ID= 40.98N/1; H = 10.00 H BY DIRECTION		TOTAL
0 0.49	4,40 6 180 8	10 8 1 5 5	0.5 10.6.7	(SECONDS) 11.8~ 13.4 13.3 15.3	15.4- 18.2 18.1 22.	22.3- LONGER	65
99999999999999999999999999999999999999	4,4-0 6, 371 48 1632 273 1321 163	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5				:	5566516000 65130 6401 42
5.00 + 7.77	2342 499	3 144			å å	ò	ŏ
MEAN HS(M) = 1.33	LARGEST	HS(M) = 2.	.77 MEAN	TP(SEC) =	6.4 NUMBER	OF CASES =	4375
PHASE WAYE LAT SHORE FERCE	3 ST. 67 APPROACH AI LON START LINE ANGLE NT OCCURRE	NGLE(20 YEAT) = 41.05H/1 = 163.0 NCE(X1000)	AR WAVE DI IVE TO SHO 24:15W (DEG AZ.) OF HEIGHT	RECTION STAT RELINE IN DE LAT LON. EN WATER DEPI AND PERIOD	ISTICAL SUMN GREES)= 45 ID= 40.98N/1; H = 10.00 By Direction	1ARY 0 - 74.9 14 11W 1ETERS	
PHASE HAYE LAT SHORE PERCE HEIGHT(METER')	3 ST. 67 APPROACH AI LON, START LINE ANGLE NT OCCURRE 4,4- 6.	YGLE(RELAT) = 41.05N/1 = 41.05N/1 NCE(X1000)	AR WAVE DIE 14E TO SHOP 24 15W AZ 1 00EG HEIGHT PERION 9.6= 10.6=	RECTION STAT RELINE IN DE LATITON EN MATERIOD AND PERIOD (SECONDS) 11.82 13.43	ISTICAL SUMM GREES = 45 ID=40,98N/1; H=10,00 H=10,00 By DIRECTION		TOTAL
	3 ST 67 APPROACH ALON START LINE ANGLE NT OCCURRED 22 26 69 111 165 11 40 11 11	NGLE (RELATION) 1 41.03 1 5 7 12101 100	AR MAVE DISTRICT OF HEIGHT 10 16 10	RECLIN DE DO 14.1 STORE DE DO 14.1 STORE DE DO 14.1 STORE DE DO 14.1 STORE DE DO 14.1 STORE DE DO 15.1 STORE	ISTICAL SUMM GREES) = 98 1/1 H = 10 00 1 H = 10 00 1 H = 10 22 1 15 4- 18 2 1 1 22 1 1 1 22 1 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3		TOTAL 602575209-6089-6021-602-602-602-602-602-602-602-602-602-602
HEIGHT (METER") 0.500	4,4° 6 8 2 2 1 1 1 65 63 11 400 11 11 11 11 11 11 11 11 11 11 11 11 1	NGLE (RELATION) 1 - 8 1 - 7 7 7 7 7 7 7 7 7 7	PERIOD 10.6-7 10.5-7 10.5-7 10.5-7 10.6-7 10	SECONDS3 14-3 113-3 15-3 125-3 15-4-5 125-3 15-4 125-3 15-4	ISTICAL SUMM GREES = 45 DE 40.98N/1 H = 10.00 i BY DIRECTION 15.4- 18.2 18.1 22.3 11.1	22.3- LÖNGER 	121-132-09-60-89 602-95-16-7-07-4 607-78-9-2-17-10-6 701-507-50-7-2-1
HEIGHT (METER") 0.50 - 0.49 1.50 - 1.2.49 1.500 - 1.2.49 2.500 - 2.49 3.500 - 2.49 3.500 - 2.49 5.00 + 49 5.00 + 49 TOTAL MEAN HS(M) = 2.24 PHASE HAYE SHORE PERCE	4,47 6 6.0 8 22 69 111 165 11 11 11 11	1- 8 91- 91- 91- 91- 91- 91- 91- 91- 91- 91-	PERIOD 10.6-7 10.6-7 232 113 749 1540 1540 1540 1540 2542 254 254 254 254 254 254 254 254 25	SECONDS 1 1 5 5 7 7 1 1 5 5 7 7 1 1 5 5 7 7 1 1 5 5 7 7 1 1 5 5 7 1 1 5 5 7 1 1 1 5 5 7 1 1 1 1	15.4- 18.2. 16.1 22. 11. 11. 5. 25. 0 0.9 NUMBER 15TICAL SUM GREES)= 75 102 'C.98071 H= 10.000 BY DIRECTION	22.3- LÖNGER 	121-132-09-60-89 602-95-16-7-07-4 607-78-9-2-17-10-6 701-507-50-7-2-1
HEIGHT(METER") 0 0.49 0.50 - 0.49 1.500 - 12.49 2.500 - 3.49 3.500 - 3.49 3.500 - 4.49 5.00 - 4.50 TOTAL MEAN HS(M) = 2.24 PHASE WAYE SHORE PERCE	4,4-6 8 22 69 111 165 63 111 111 111 111 111 111 111 111 111	1- 8 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-	PERIOD 10.6-7 10.6-7 232 113 749 1540 1540 1540 1540 2542 254 254 254 254 254 254 254 254 25	SECONDS 1 1 5 5 7 7 1 1 5 5 7 7 1 1 5 5 7 7 1 1 5 5 7 7 1 1 5 5 7 1 1 5 5 7 1 1 1 5 5 7 1 1 1 1	15.4- 18.2. 16.1 22. 11. 11. 5. 25. 0 0.9 NUMBER 15TICAL SUM GREES)= 75 102 'C.98071 H= 10.000 BY DIRECTION	OF CASES =	121-132-09-60-89 602-95-16-7-07-4 607-78-9-2-17-10-6 701-507-50-7-2-1
HEIGHT (METER") 0.50 - 0.49 1.50 - 1.2.49 1.500 - 1.2.49 2.500 - 2.49 3.500 - 2.49 3.500 - 2.49 5.00 + 49 5.00 + 49 TOTAL MEAN HS(M) = 2.24 PHASE HAYE SHORE PERCE	4,4-6 & 22 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6	1- 8 1- 7 7 1487 7 1487 7 1487 7 1487 8 133 8 133 1 27 1 2101 104 HS(M) = 7 HS(M) = 7 NGLE (RELATI = 41,550/12 NCE (X1000)	PERIOD 10.6-7 10.6-7 232 113 749 1540 1540 1540 1540 2542 254 254 254 254 254 254 254 254 25	SECONDS3 1 3593601 11365 1593601 1297	15.4- 18.2. 16.1 22. 11. 11. 5. 25. 0 0.9 NUMBER 15TICAL SUM GREES)= 75 102 'C.98071 H= 10.000 BY DIRECTION	22.3- LÖNGER 	121-13209-6089 602-95-13-209-6089 202-13-12-13-20-14-15-20-14-15-20-14-15-20-14-15-20-14-15-20-1

PHASE MAVE A LAT L SHOREL PERCEN	3 ST PPROÀCH ANG ON. START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIVE 41.05N/124 163.0 (06 E(X1000) OF	HAVE DIF TO SHOW 15W (G AZ) HEIGHT	RECTION PELINE I LAT. LON WATER AND PER	STATIS IN DEGR N. END= DEPTH RIOD BY	TICAL SI EES)= 1: 40.98N. = 10.00 DIRECT:	JMMARY 05.0 - 134. /124.11W METERS ION	9
HEIGHT(METERS)	4,45 6,15 6.0 8.0	8.1- 9.6 9.5 10	PERIO	11:8- 11:8-	75) 13 <u>.</u> 4- 1	5.4- 18 18.1 2:	2- 22.3- 2.2 LONGER	TOTAL
0.50 - 0.49 0.50 - 0.99		•	5 11.7	13.3	15.3	18.1 2	2.2 LUNGER	0
99999999999999999999999999999999999999	5 1395 10 395 11	6251225723 3851225723 10271		:	:	:	: :	24 84 199
2.50 - 2.99 3.00 - 3.49	. éő		29 34		:	:		257 253
9999999999 1949494949 1949494949 194949494	: :	3851 25 1222 57 12400 72 1 2 36 514 2 36	39487878787878787878787878787878787878787	13 23 24 101	i	:	: :	014497735249 2:895555717 1:222211
5.00 + TOTAL	16 247				3	ò	Ö Ö	
MEAN HS(M) = 3.35	LARGEST H	S(M) = 6.16	MEAN	TP(SEC) = 9.	5 NUMBI	ER OF CASES	= 851
BUAGE		00 VE40	HAVE DE		CTATTO	TTCAL C	NAME A ST V	
WAYE A	3 ST 67 PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	LE(ŘĚLÁTÍV 41.05N/124.	TO SHOP	ELINE"	IN DEGR	EES)= 1	JMMARY 35.0 - 164. 124.11W METERS LON	9
	THE ANGLE =	E(X1000) 0				= 10.00 DÎRECT	METERS LON	
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8.1- 9.6 9.5 10	PERIOR 10,67	113.3) <u>5)</u> L3 ₁₆ 4- I	5.4- 16 18.1 2	2- 22.3- 2.2 LONGER	TOTAL
0.50 - 0.49 1.50 - 1.49 2.50 - 2.49	i :	7.5 10	:	;	:		: :	0 1
1:50 - 1:49	: :		:	:	:	:	: :	0
2.50 - 2.99 3.60 - 3.49	: :	•	:		:	•	:	0
4.60 - 4.49 4.50 - 4.99				:	:	:		000000000
0.4999 0.4999 0.4999 0.4999 0.4999 0.5000 - 14.499 0.5000 - 14.499 0.7000 - 14.599 0.7000 - 14	i ò	Ö Ö	ó	Ò	Ċ	Ò	Ò Ó	-
MEAN HS(M) = 0.95	LARGEST H	S(M) = 0.95	MEAN	TP(SEC) = 4.	5 NUMBI	ER OF CASES	= 1
DUACE	3 CT 47	20 YEAD	WAVE DT	PECTTON	GTATTE	TTCA! C	MM/ GY	
GAYE ALAT. L	PPROACH ANG	LE(ŘĚLÁŤÎÝ: 41.05N/124.	TO SHO	RELINE :	LN DEGR	EES) = 10 40.98N	JMMARY 55.0 - 180. 7124.110 METERS ION	0
	THE ANGLE =							
HEIGHT(METERS)	4,4- 6.1-	8.1- 9.6 9.5 10	PERIO	O SECONO)§) (3 ₆ 4 ₇ 1	5.4- 18	2- 22 3- 2.2 LONGER	TOTAL
0.50 - 0.49 1.50 - 1.49 2.50 - 2.49	: :	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	:	:	:		: CONSER	Q Q
1:50 - 1:49 2:49	: :	•	•	:	:	:	: :	9
2.50 - 2.99 3.50 - 3.49 3.50 - 3.69		•	•	•	:	•	:	0
4:00 - 4:49 4:50 - 4:99				:	:	:	•	000000000
001499999999999999999999999999999999999	Ò Ö	ó (j j	Ġ	Ġ	Ò	o ċ	-
MEAN HS(M) = 0.	LARGEST H	5(M) = 0.	MEAN	TP(SEC) = 0.	NUMBI	ER OF CASES	= 0





WIS STATION 67 (41.05N/ 124.15H TO 40.98N/ 124.11H)

HTHOM

	JAN	FEB	MAR	APR	MAY	HUL	JUL	AUG	SEP	OCT	NOA	DEC	
R67890123456789012345 R5555666666666777777 E59999999999999999	nrodindondaddonnoa	matadamamamadamadam	จ.สการณณการณณการณการณกายาว ณการณณการณการณกายาว	200747000000000000000000000000000000000	2007	9.15.15.15.15.15.15.15.15.15.15.15.15.15.	447542MM946444618855	420000-00000000000000000000000000000000	486934788857035474058	0-07-6270-7-1-60807-7-1-1-224	ondinaminaminaminaminaminaminaminaminaminam	097-68207-8297-320265-10	NA4754441114451447-04-697-0 EGRONOMONOMONOMONOMONOMONOMONOMONOMONOMONO
MEAN	3.6	3.5	3.1	2.5	1.9	1.6	1.5	1.4	1.6	2.4	3.2	3.8	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 67 (41.05N/ 124.15W TO 40.98N/ 124.11W) MONTH

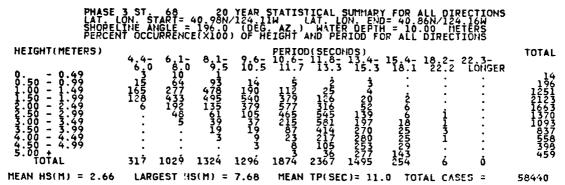
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	HOA	DEC
R67890123456789012345 R57890123456789012345 E9999999999999999999	70952794180441016709	คดอออกทองจังจังการการการการการการการการการการการการการก	44544545455555555555555555555555555555	440มกรรกรกรกรมกรอกมอง ราชานาราชานาราชานาราชานาราชานาราชานาราชานาราชานาราชานาราชานาราชานาราชานาราชานาราชานาราชา	การเกรียนการสองการสาย การเกรียนการสายการสา	<i>คนาคมาครอ</i> ก-อุราคทาอุราอภ	26-1009-1980-1889-989-249	ณาของมายายายงอาการการการการการการการการการการการการการ	พระกรองระบบสายการการการการการการการการการการการการการก	กงการกางจากกางจางการการการการการการการการการการการการการก	9499988899278465H0550	898928964-89987050-89 45556466665657656766

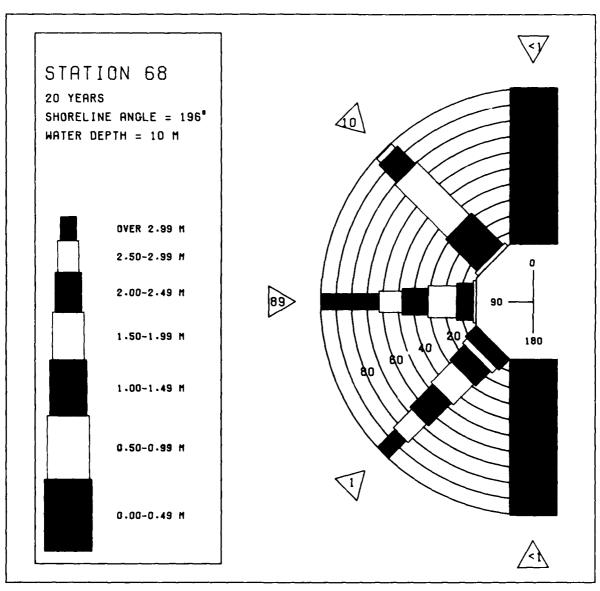
20 YR. STATISTICS FOR PACIFIC STATION 67 (41.05N/ 124.15W TO 40.98N/ 124.11W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECONDS) MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	2.5 11.0 60.0
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	1.5 2.5 7.8 16.7
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR,NO,DA,HR)	16.7 84.9 49121116

PHASE WAVE LATE SHORE PERCE	3 ST. 68 APPROACH ANG LON. START= LINE ANGLE: NT OCCURRENCE	20 YEAR GLE(RELATÎY 40 98N/124 = 196.0 (DI CE(X1000) O	HAVE DIRE TO SHORE 11W LA EGHZ) FHEIGHT A	CTION STAT LINE IN DE T. LON. EN WATER DEPT ND PERIOD	ISTICAL SUM GREES) = 0 D= 40.86N/1 H = 10.00 BY DIRECTIO	MARY 24.16W METERS	
HEIGHT(METERS)	4.4- 6.1 6.0 8.0	8.1- 9.0 9.5 10	PERIOD(5- 10,6- 1	SECONDS) 1.8- 13.4- 13.3 15.3	15.4- 18.2 18.1 22.	- 22 3- 2 LONGER	TOTAL
			.5 11.7 	13.3 15.3 	0 0	CONGER CONGER	00000000000
MEAN HS(M) = 0.	LARGEST F	(S(M) = 0.	MEAN T	P(SEC) =	O. NUMBER	OF CASES =	0
	3 ST. 68 APPROACH ANG LON. START= LINE ANGLE NT OCCURRENCE	20 YEAR SLEIRELATIV 40.98N/124 = 196.0 CE(X1000) O				14RY 0 - 44.9 24.16W 121ERS	TOT-11
HEIGHT(METERS)	4:4- 6:16 25 3	8.1- 9.0 9.5 10	5- 10.6- 1 .5 11.7	SECONDS) 1.8- 13.4- 13.3 15.3	15.4- 18.2 18.1 22.	22.3- 2 LÖNGER	TOTAL
99999999999999999999999999999999999999	4.4- 6.1 6.5 23 3 			· · · · · · · · · · · · · · · · · · ·			106000000000000000000000000000000000000
MEAN HS(M) = 0.68	LARGEST H	IS(M) = 0.9	MEAN T	P(SEC) =	5.6 NUMBER	OF CASES =	22
PHASE WAVE LAT SHORE SHORE PERCE	3 ST. 68 APPROACH ANG LON. START= LINE ANGLE : NT OCCURRENCE	20 YEAR SLE(RELATIVI 40.98N/124 196.0 E(X1000)	HAVE DIRE TO SHORE 11W LA G AZ.)	CTION STAT LINE IN DE T. LON. EN WATER DEPT NO PERIOD	ISTICAL SUM! GREES)= 45 D= 40.86N/1 H = 10.00 BY DIRECTIO	1ARY 0 - 74.9 24.16W METERS	
PHASE WAYE LAT SHORE PERCE HEIGHT(METERS)	3 ST. 68 APPROACH ANG LON. START= LINE ANGLE: NT OCCURRENCE						TOTAL
HEIGHT(METERS) - 0.949 - 1.94	464- 6816 112 249 1589 1757 1233 1755 1653 177 17 17 17 17 17 17 17 17 17	8915 10 953 12 253123 12 2633 13 2633	PERIOD(5-10.6-1.7) 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CTION STAT TINE IN DE TILLON EN WATER DEPT ND PERIOD SECONDS) 13.3 15.3 			TOTAL 1530023105000 4628413
HEIGHT(METERS)	464- 6816 112 249 1589 1757 1233 1755 1653 177 17 17 17 17 17 17 17 17 17	89.1.5 10 99.4.5.1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	PERIOD(5-10.6-1).7 i 6 i i i 7	\$ECOND\$) 188-134- 13.3 15.3 	15.4- 18.2 18.1 22.	22.3- 2 LONGER 	1530 46123 1628991 1891
HEIGHT(METERS) 0.50 - 0.49 1.500 - 1.99 1.500 - 2.99 1.500 - 3.99 1.500 - 3.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.50 TOTAL MEAN HS(M) = 1.70 PHASE HAVE LATORE	4.4- 6.1 1.2 249 1.50 17725 1.50 17725 1.233 17725 1.233 1725 1.233 1725 1.234 1725 1.235 1725	8 1 5 10 3 5 10 3 5 1 2 2 5 1 2 2 6 6 6 1 0 4 6 6 6 1 0 5 6 6 6 1 0 7 6 6 6 1 0 7 6 6 6 1 0 7 6 6 6 1 0 7 6 6 6 1 0 7 6 6 6 1 0 7 6 6 7 6 1 0 7 6 6 7 6 1 0 7 7 6 1 0 7 7 6 1 0 7 7 6 1 0 7 7 6 1 0 7 7 6 1 0 7 7 6 1 0 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	PERIOD(10.6-1 1	SECONDS) 4-3 18-3 15-3 13-3 15-3 15-3 15-3 15-3 15-3 15-3 15-3 15-3	15.4-18.2 16.1 22. i i i i o 6.7 NUMBER 15TICAL SUMM GREES)= 75 DREES)= 10.00 H = 10.00	22.3- 2 LONGER 	1530231105000 46284113 16281143 16284113 16284113 16384 16384113 16384113 16384113 16384113 16384113 16384113 16384113 1
HEIGHT(METERS) 0.50 - 0.49 0.50 - 1.49 1.700 - 1.49 1.700 - 2.99 1.500 - 3.99 1.500 - 3.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.70 PHASE WAVE SHORE SHORE HEIGHT(METERS)	4.4- 6.1 1.2 249 1.50 17725 1.50 17725 1.233 17725 1.233 1725 1.233 1725 1.234 1725 1.235 1725	8 1 5 10 3 5 10 3 5 1 2 2 5 1 2 2 6 6 6 1 0 4 6 6 6 1 0 5 6 6 6 1 0 7 6 6 6 1 0 7 6 6 6 1 0 7 6 6 6 1 0 7 6 6 6 1 0 7 6 6 6 1 0 7 6 6 7 6 1 0 7 6 6 7 6 1 0 7 7 6 1 0 7 7 6 1 0 7 7 6 1 0 7 7 6 1 0 7 7 6 1 0 7 7 6 1 0 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	PERIOD(10.6-1 1	SECONDS) 4-3 18-3 15-3 13-3 15-3 15-3 15-3 15-3 15-3 15-3 15-3 15-3	15.4- 18.2 i : i : i : i : i : i : i : i :	OF CASES =	40119910 40119910 1135000 00 6887
HEIGHT(METERS) 0.50 - 0.49 1.500 - 1.99 1.500 - 2.99 1.500 - 3.99 1.500 - 3.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.50 TOTAL MEAN HS(M) = 1.70 PHASE HAVE LATORE	46.0 61.0 2497 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0	8 1 5 9 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	PERIOD (1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	1 3 1 3 1 3 1 3 2 5 7	15.4-18.2 16.1 22. i i i i o 6.7 NUMBER 15TICAL SUMM GREES)= 75 DREES)= 10.00 H = 10.00	22.3- 2 LONGER 	107-199-15 462841 462841 66 751 167-199-15 67 751 167-199-15 751 167-199-15 1

PHASE HAYE LAT SHOREL PERCEN	S ST 6 PROÁCH ON STAR INE ANGL T OCCURR	8 ANGLE(T = 40. E = 19 ENCE(X	20 YE RELAT 98N/1 6.0 1000)	AR WAY IVE TO 24.11V ODEG. OF HI	SHORE	CTION S LINE IN AT. LON WATER C AND PERI	TATIST DEGREE END= DEPTH = LOD BY	ICAL SUMM ES)= 105. 40.86N/12 10.00 M DIRECTION	ARY 0 - 134.9 4.16W ETERS	
HEIGHT(METERS)	4,4- 6	6.0 8			PERIOD!	\$ECONDS	5) 5.4- 15 5.3 1	.4- 18.2- 8.1 22.2	22.3- LÖNGER	TOTAL
	i i · ·	•	_	327405085 1288085	16235447384 16236447384 175	1875657656 1977656 1977656	MUNDON H		· · · · · ·	04146200776 52925100776 3455541
MEAN HS(M) = 2.73		S46 8 ST HS(M		574 .43		FP(SEC)		NUMBER	OF CASES =	1879
PHASE ALATE LATE LATE LATE LATE LATE LATE LA	3 ST. 6 PPROÁCH OH. STAR INE ANGL T OCCURR	8 ANGLE(11= 40 E = 19 ENCE(X	20 YE RELAT 98N/1 960 1000)					ICAL SUMM ES)= 135. 40.86N/12 10.00 m DIRECTION	ARY 0 - 164.9 4 16W ETERS	
HEIGHT(METERS)	4,4- 6	.1- 8 8.0	3.1- 9.5	9.6- ! 10.5	PERIOD!	SECONDS 13.3	3) 3.4- 15 15.3 1	.4- 18.2- 8.1 22.2	22.3- LÖNGER	TOTAL
	4.6.9 3. 32	72 8	ò	å		i i i i				100400000000000000000000000000000000000
MEAN HS(M) = 0.26	LARGES	ST HS(F	1) = 0	.64	MEAN T	TP(SEC)	= 6.5	NUMBER	OF CASES =	62
PHASE WAYE ALLAT. LLAT. LLST. SHOPEL PERCEN	3 ST PPROACH ON. STAR INE ANGL T OCCURR	ANGLE	20 YE RELAT 93N/1 16.0 (1000)	AR WAY IVE TO 24.111 (DEG. OF HI	VE DIRI O SHOR! AZ } EIGHT /	ECTION SELINE IN LONG WATER (TATIST DEGRE END= END= DEATH = COD BY	ICAL SUMM ES)= 165. 40.86N/12 10.80 N DIRECTION	ARY 0 - 180.0 4 16W ETERS	
HEIGHT(METERS)	4.4- 6	al- 8	9.5	9.6- 10.5	PERIOD:	SECONDS	5) 5.4- 15 5.3 1	.4- 18.2- 9.1 22.2	22.3- LÖNGER	TOTAL
- 0.49 1.99 1.22 1.22 1.22 1.22 1.22 2.33 2.49 2.33 2.49 2.33 2.49 2.33 2.49 2.33 2.49 2.33 2.49 2.33 2.49 2.33 2.49 2.33 2.49 2.33 2.49 2.33 2.49 2.33 2.49 2.33 2.49 2.33 2.49 2.40	: : : : : : :	Ö HS(F					· · · · · · · · · · · · · · · · · · ·		0 OF CASES =	0000000000000000
		•								





WIS STATION 68 (40.98N/ 124.11W TO 40.86N/ 124.16W)

						. ,							
						MONT	H						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E95956666666789012345	madenmandenmannaannaanna	ทุกของสุดาทุกของสุดาทุกของสุดาทุกของสุดาทุกของสุดาทุกของสุดาทุกของสุดาทุกของสุดาทุกของสุดาทุกของสุดาทุกของสุดาท	พาการเการ์ เการ์	ผลาดอย่างสายการและเกาะ	47-1900-1990-19567-1957-1	21111121212111111122222	66986465179666830077	64767272738855676064	1-1-2-1-1-2-1-1-2-1-1-1-1-1-2-1-0	มารถสายการการการการการการการการการการการการการก	ชกกกลาด44	ณ-ที่วิตจิสุด-8สุด-8สุด-8สุด-8สุด-8สุด-8สุด-8สุด-8	25687666676665598868494 EUNNANNANNANNANNANNANNAN E
MEAN	3.6	3.6	3.2	2.7	2.1	1.8	1.7	1.6	1.7	2.6	3.4	3.8	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 68 (40.98N/ 124.11W TO 40.86N/ 124.16W)

MONTH

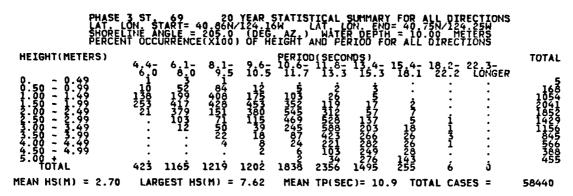
	JAN	FEB	MAR	APR	MAY	MUL	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 R555556666666777777 E999999999999999999	06760559291293403415 64656054746544666665	410111496207855880008	าจ-เจ-เกเกเกเกเกเกเลยเกเลสสเกจ	846644475444465547557	ชากากคงกากของชากชาว กากการทางกากของชากชาว	กลงกลากการการการการการการการการการการการการกา	ผาเม็นสายสายสายสายสายสายสายสายสายสายสายสายสายส	ชอภายาเของสุสุขสองอุสาจส	ดูกอนคงงราชงากรากงากจากจากจากจากจากจากจากจากจากจากจากจากจา	00740780980087648947 45456456854645448754	0913040300000000000000000000000000000000	90631514131607854512 46566566666657656666

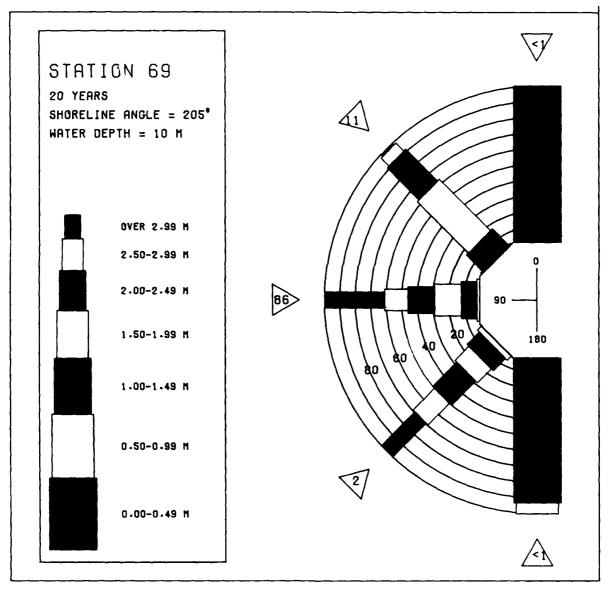
20 YR. STATISTICS FOR PACIFIC STATION 68 (40.98N/ 124.11W TO 40.86N/ 124.16W)

	• • • •	• · · · · · • • · · · · · · · · · · · ·				
MEA	N SI	GNIFICANT_H	AVE HEIGHT		(METERS)	.2.7
Mos	T FR	EQUENT 30.0	DEGRÉE (CE	TÉR) DIRECTION BAND	(SECOMOS)	15.6 90.8
ŞŢĀ	HDAR	n nevtattnu	OF WAVE HS	· · · · · · · · · · ·	ໍ ເຮັກຕໍ່ດີນີ້ກີຮ່າ	1.2
		WAVE HS ASSOCIATED	ÚTŤU LÁDČE	t'uivė úe'	: : (METERS)	, 7:3
ÃŶĚ	E TP RAGE E OF	PIRECTION	ASSOCIATED	T WÄVE HS TITH LARGEST WÄVE HS IS (YR,MO,DA,HR)	(DEGREES)	- \$0.6
UAI	E 0F	LARGEST HS	OCCURRENCE	IS (YR, NO, DA, HR)	6	9121209

PHASE HAYE LAYE SHORE PERCE	3 ST APPROACH LON. STA LINE ANG NT OCCUR	ANGLI RT= 41	20 Y (RELA 0.86N/ 205 0 (X1000	EAR WA TIVE 1 124 16 (DEG.							
HEIGHT(METERS)	4.4- 6.0	6,1 <u>~</u>	8 ₉ 1-	9.6- 10.5	PERIOD	(SECONO 11.8- 1 13.3)§) 3,4-	15.4- 18.1	18,2- 2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	:	:	7.3	:	:	:	:	:	:	:	00000000000
2.50 - 2.49 2.50 - 3.49	:	:	:	:	:	:	:	:	:	:	Ö
3.50 - 3.49 4.50 - 4.99	:	:	:	:	:	:	:	:	:	•	ò
	Ġ	Ö	ò	Ġ	Ò	Ġ	Ò	ō	ċ	Ò	0
MEAN HS(M) = 0.	LARGE	ST HS	(M) =	0.	MEAN	TP(SEC) = 0	. NUI	MBER OF	CASES =	: 0
PHASE WAYE LATORE PERCE	3 ST APPROACH LON. STA LINE ANG NT OCCUR	69 1 ANGLI 1RT = 41 5 LE = 1	20 Y E(RELA 0.86N/ 205.0	EAR WA TIVE 1 124 1 (DEG.	VE DIR O SHOR O SHOR O L AZ) iEIGHT	ECTION ELINE I AT. LOI HATER AND PER	STATI IN DEG I END DEPTH IOD B	STICAL REES)= 40.7	SUMMAF 15.0 5N/124 00 ME1 CTION	?Y -25W TERS	
HEICHT(METERS)	4.4 <u>-</u> 6.0	6.1- 8.0	8,1-	9.6- 10.5	PERIOD	(SEÇOND)\$) 3,4-	15,4-	18,2- 2	22.3- 1.0NGEP	TOTAL
99999999999999999999999999999999999999	1 <u>1</u> 8		7.5 :	:	:		:	:	:	:	. 21 . 21
	157	27 16 1	:	:	:	:	:	:	:	•	283 183 100 100 100 100 100 100 100 100 100 10
2.50 - 2.99 3.00 - 3.49 3.50 - 3.99	:	:	:	:	:	:	:	:	:	:	0
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	•	:	•	:	:	:	:	:	•	:	Ŏ
TOTAL	190	49	Ó	Ö	Ó	Ó		Ö	ė		
MEAN HS(M) = 1.30	LAKGE	ST HS	(M) =	2.05	MEAN	TP(SEC)	. = 5	.6 NUI	MBEK UI	CASES =	: 142
PHASE WAYE LATE SHORE PERCE	3 ST APPROACH LON. STA LINE ANG NT OCCUR	69 1 ANGLI 1 E E 1 E 1 E E 1 E E	20 Y CRELA 0.86N/ 205.0	EAR WA TIVE 1 124.16 (DEG.	VE DIR TO SHOR W L AZ)	ECTION ELINE I AT LO: WATER AND PER	STATI	STICAL REES)= - 40.7 - 10.6	SUMMAF 45.0 5N/124 00 ME1 CTION	RY 	
PHASE WAYE LAT SHORE SHORE PERCE HEIGHT(METERS)	4,4-	6.1-									TOTAL
HEIGHT(METERS)	4,4-	6.1-	8,1,5	EAR WA 1124 16 124 16 10 0F 1		ECTION ELINE 1 ATER AND PER (SECOND 1138-1				74.9 25.4 1ERS 22.3- LONGER	
HEIGHT(METERS)	4,4-	6.1-	8,1,5								
HEIGHT (METERS) 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949	4,4-	6.1-	8,1,5	906.5 : i							TOTAL 80040406750
HEIGHT (METERS) 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949	4,4-			9.6.5 10.5 : i							80224-67-109-602-6-109-6
HEIGHT(METERS) 0.49 0.50 - 4.99 1.500 - 1.99 1.500 - 2.99 2.500 - 2.99	4.4.0 6.0 1115 1115 1170 1170	6.1-	8 9 . 67 77045306	906.5 : i							
HEIGHT (METERS) 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949	4,47 6.0 1115 2416 172 	6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8.1-5 370 125566 692	9.65 : i 38 10 : 22	PERIOD 10.6-7 11.7		15.3	15.4- 18.1 : : :	18.2- 2 22.2 : : : : :		8284467159-600 45244246 1609-6002 2459-1
HEIGHT (METERS) 0.499	46.0 15.5 11.5 11.6 17.6 17.6 17.6 17.6 17.6 17.6 17.6	6.1-0 83-7-0 9000 33-60 33-60 33-60 33-7-7-7-8-7-8-7-8-8-8-8-8-8-8-8-8-8-8-8	8 371555 9) 22851 6 M 22851 6 M 22851	90.55 1 380 2 2 4 . 15	PERIOD 11.7 0 MEAN	TP(SEC	15.4 15.4 15.4 15.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10	15.4-1 18.1 	18.2- 2 22.2	2 2 3 - LONGER	452446759-600 45244246 4524246 76711 7674
HEIGHT (METERS) 0.499 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.99	46.0 15.5 11.5 11.6 17.6 17.6 17.6 17.6 17.6 17.6 17.6	6.1-0 83-7-0 9000 33-60 33-60 33-60 33-7-7-7-8-7-8-7-8-8-8-8-8-8-8-8-8-8-8-8	8 371555 9) 22851 6 M 22851 6 M 22851	90.55 1 380 2 2 4 . 15	PERIOD 11.7 0 MEAN	TP(SEC	15.4 15.4 15.4 15.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10	15.4- 18.1 6 NUI	18 2- 2 22 : 	2 2 3 3 -	2009446750 20094946600 20094946600 20094946600
HEIGHT (METERS) 0.499 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.99	46.0 15.5 11.5 11.6 17.6 17.6 17.6 17.6 17.6 17.6 17.6	6.1-0 83-7-0 9000 33-60 33-60 33-60 33-7-7-7-8-7-8-7-8-8-8-8-8-8-8-8-8-8-8-8	8 371555 9) 22851 6 M 22851 6 M 22851	90.55 1 380 2 2 4 . 15	PERIOD 11.7 0 MEAN	TP(SEC	15.4 15.4 15.4 15.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10	15.4- 18.1 6 .6 MU STICAL REESO.7 Y DIRECT	18.2-2 22.2 	LÓNGER	145246750 145246750 145246750 1609424660 1609424660 16094246600 16094246600 1609426600 1609426600 1609426600 1609426600 160942600 1609400 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 16094000 160942600 160942600 160942600 160940 1609400
HEIGHT (METERS) 0.499 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.99	46.0 15.5 11.5 11.6 17.6 17.6 17.6 17.6 17.6 17.6 17.6	6.1-0 83-7-0 9000 33-60 33-60 33-60 33-7-7-7-8-7-8-7-8-8-8-8-8-8-8-8-8-8-8-8	8 371555 9) 22851 6 M 22851 6 M 22851	90.55 1 380 2 2 4 . 15	PERIOD 11.7 0 MEAN	TP(SEC	15.4 15.4 15.4 15.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10	15.4- 18.1 6 .6 MU STICAL REESO.7 Y DIRECT	18.2-2 22.2 	CASES =	145246750 145246750 145246750 1609424660 1609424660 16094246600 16094246600 1609426600 1609426600 1609426600 1609426600 160942600 1609400 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 16094000 160942600 160942600 160942600 160940 1609400
HEIGHT (METERS) 0.499 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.949 1.000 - 1.99	46.0 15.5 11.5 11.6 17.6 17.6 17.6 17.6 17.6 17.6 17.6	6.1-0 83-7-0 9000 33-60 33-60 33-60 33-7-7-7-8-7-8-7-8-8-8-8-8-8-8-8-8-8-8-8	8 371555 9) 22851 6 M 22851 6 M 22851	90.55 1 380 2 2 4 . 15	PERIOD 11.7 0 MEAN	TP(SEC	15.4 15.4 15.4 15.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10	15.4- 18.1 6 .6 MU STICAL REESO.7 Y DIRECT	18.2-2 22.2 	CASES =	145246750 145246750 145246750 1609424660 1609424660 16094246600 16094246600 1609426600 1609426600 1609426600 1609426600 160942600 1609400 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 16094000 160942600 160942600 160942600 160940 1609400
HEIGHT (METERS) 0 499999999999999999999999999999999999	46.0 15.5 11.5 11.6 17.6 17.6 17.6 17.6 17.6 17.6 17.6	6.1-0 83-7-0 9000 33-60 33-60 33-60 33-7-7-7-8-7-8-7-8-8-8-8-8-8-8-8-8-8-8-8	8 371555 9) 22851 6 M 22851 6 M 22851	90.55 1 380 2 2 4 . 15	PERIOD 11.7 0 MEAN	TP(SEC	15.4 15.4 15.4 15.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10	15.4- 18.1 6 .6 MU STICAL REESO.7 Y DIRECT	18 2- 2 22 : 	CASES =	145246750 145246750 145246750 1609424660 1609424660 16094246600 16094246600 1609426600 1609426600 1609426600 1609426600 160942600 1609400 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 160942600 16094000 160942600 160942600 160942600 160940 1609400
HEIGHT (METERS) 0.499 0.500 - 0.499 0.500 - 1.299 0.500 - 1.299 0.500 - 1.299 0.4199 0.500 - 1.299 0.429 0.500 - 1.499 0.500 - 1.499 0.500 + 4.99 0	4 6 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	6.1-0 83-7-0 9000 33-60 33-60 33-60 33-7-7-7-8-7-8-7-8-8-8-8-8-8-8-8-8-8-8-8	8 121 6 M 2R851 1 10759865421 7 1 1 10759865421 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.0	PERIO 7	SEC IN IN IN IN IN IN IN IN IN IN IN IN IN	6 HGDHB -3 -3 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	15.4.1 16.1 17.1 18.1	18.2-2 22.3 0 0 MBER OF SV/124 155500 TION 18.2.2 1 1 1 5 5 5 0 2 3 1 1 1 5 5 5 0 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CASES =	800040759-600 4 45004046 76 74 A 34407-6003-63 25512 76 T 17512-13 25512 76 T 17512-13 17512-13

PHASE WAYE AL WAYE AL LAT SHOREL PERCEN	STACH PPROACH STAR THE ANGL TOCCURR	9 ANGLE(REL 1= 40,861 E= 205.0 ENCE(X100	YEAR WA ATIVE 1 124.10 (DEG	VE DIR O SHOR W Z) HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIST N DEGRE END= DEPTH : IOD BY	TICAL SUM EES) = 105 40.75H/1 = 10.00 DIRECTIO	MARY .0 - 134.9 .24.25W METERS	
HEIGHT(METERS)	4,4- 6	ė.o 8,1,5		PERIOD 10.6- 11.7	(SECOND 11.8- 1	5) 3.4~ 1! 15.3	3.4- 18.2 18.1 22.	- 22.3- 2 LÖNGER	TOTAL
- 0 499 - 10	i 3 1 3 1	446045545 246045545 1751 1751	13103023812 5921082 9	20 116 304	20 41 118	: :		•	7633 7633 46869 10949 677
2.50 - 2.99 3.00 - 3.49 3.50 - 3.99 4.00 - 4.49	:	73 205 15 135 1 56	213 100 82 23	210736932971 13232971	0184771334 2413913859 122221	32135813 676613			1029 949 679 336
5.00 + TOTAL		28 1246					3 0	Ó	336 198 145
MEAN HS(M) = 2.83	LARGES	T HS(M) =	6.37	MEAN	TP(SEC)	= 10.6	NUMBER	OF CASES =	3290
PHASE HAYE A LAY SHOREL PERCEN	S ST 6 PROACH ON. STAR INE ANGL T OCCURR	9 ANGLE(REL T= 40.866 E = 205.0 ENCE(X100	YEAR WA ATIVE TO 124.16 (DEG 0) OF H					MARY .0 - 164.9 24.25W METERS N	
HEIGHT(METERS)	4640 170	.1. 8.1. 8.0 9.5	9.6- 10.5	FERIOD 10.6- 11.7	(SEÇOND 11.8-1 13.3	\$) 3.4- 1! 15.3	.4- 18.2 .8.1 22.	- 22 3- 2 LONGER	TOTAL
	15 3	15 8.15 15	:	:	:	•		•	NEWY
2.500 2.500 2.500 2.500 2.500	:	3 6	:	:	:	:		• • •	900
4.00 - 4.46 4.50 - 4.99 5.00 +	: 25	: : 84 26	: ô	: ò	: ô	: à	: : 0 0	: ò	0
MEAN HS(M) = 0.94		T HS(M) =	2.24	•	TP(SEC)	•		OF CASES =	82
PHASE ALLAY. WAVE ALL SHORELL PERCEN	ST.6 PROACH ON. STAR THE ANGL TOCCURR	9 ANGLE(REL T= 40.85N E = 205.0 ENCE(X100	YEAR MA ATIVE 124 16 (DEG.				[ICAL SUM [ES]= 165 40.75N/1 10.00 DIRECTIO	MARY 0 - 180.0 24 -25W METERS N	
HEIGHT(METERS)	4.4- 6	å.o 8,1 <u>-</u>	9.6- 10.5	PERICO 10.6- 11.7	SECOND:	§) 3.4- 15 15.3	.4- 18.2 6.1 22.	- 22.3- 2 LONGER	TOTAL
	:		:	:	:	:		•	0000000000
2.99 2.499 3.500 - 3.499 3.500 - 4.99	:		:	•	:	:		•	0000
4.50 - 4.99 5.00 + TOTAL	Ò	 ò ò	ò	Ò	ò	ò	ò ò	ò	Ö
MEAN HS(M) = 0.	LARGES	T HS(M) =	0.	MEAN	TP(SEC)	= 0.	NUMBER	OF CASES =	0





WIS STATION 69 (40.86N/ 124.16W TO 40.75N/ 124.25W)

MONTH

	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R55555666666666777777 E9999999999999999999	naudrandendendendendeden	กลายสายความการสายครายการสายครายการสายครายการสายครายครายครายครายครายครายครายครายครายคร	กทางใจมากากของการการเกาะ	MONTHOO THE STANDARD	4720021790756777245002	27578172838679803348	77097587280888951287	757783737494677777175	698167908892158797270	というというというというとうこう かんしょう くんしょう しょうしょう ょう しょうしょう しょう	<u> สหากการการการการการการการการการการการการกา</u>	กรากการการกรากกรรการรากราก กรากการการกรากกรรการราก	N568766667776599.69194 Hannanananananananan
MEAN	3.6	3.6	3.3	2.8	2.2	1.9	1.8	1.6	1.8	2.6	3.4	3.8	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 69 (40.86N/ 124.16W TO 40.75N/ 124.25W)

HTHOM

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DCT	NOA	DEC
R67890123456789012345 E5555566666666789012345 E999999999999999999	80000000000000000000000000000000000000	5000115050100450450505	79.09.602เก็กเก็กเก็บกับกับกับกับกับกับกับกับกับกับกับกับกับ	14131468423088847033	ชายายายายายายายายายายายายายายายายายายาย	งองบริเทองสุดภองกายของเกษณ การงานการการงานการการ	64-654กซิดกัดธุกณฑสมณาณ ณฑฑณณณณณฑณฑณฑณฑฑฑณ	งณฑงงาางงางงางงางงางงางงางงางงางงางงางงางง	ณฑณฑณนฑณณฑฐภณฑฑณฑฑ ฉทณฑณนฑณณฑฐภณฑฑณฑฑา	454504504545454545454545454545454545454	99-394-45932677238-9 45666565656565656565	99431603131606854510

20 YR. STATISTICS FOR PACIFIC STATION 69 (40.86N/ 124.16W TO 40.75N/ 124.25W)

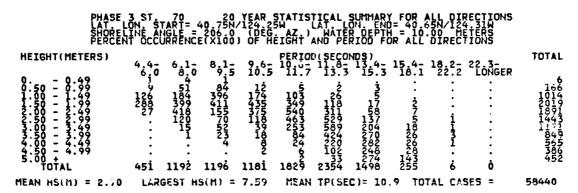
MEAN SIGNIFICANT WAVE HEIGHT	2.7 10.9 90.0
STANDARD DEVIATION OF WAVE THE (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS) LARGEST WAVE HS	1.2 2.6 7.6
LARGEST WAVE HSTED WITH LARGEST WAVE HS (METERS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	16.7 93.3 69121209

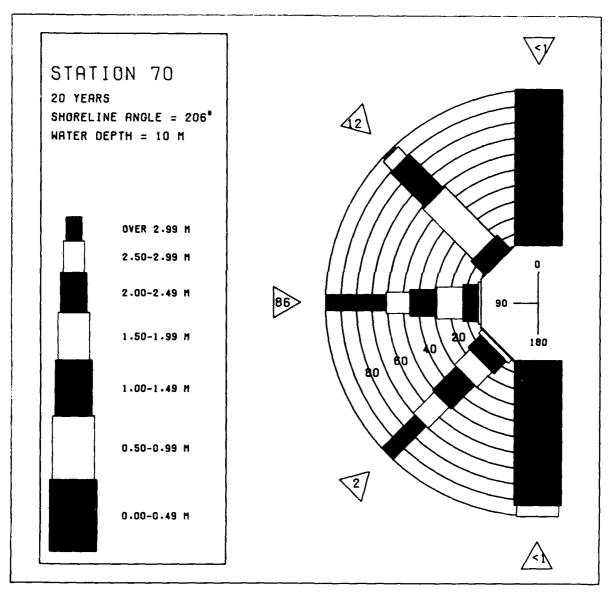
PHASE WAYE SHORE PERCE P	3 ST 70 APPROACH ANG LON. START = LINE ANGLE = NT OCCURRENC 4.4- 6.1-		AVE DIRECTION TO SHORE TIME OF AZ HATE HEIGHT AND PE PERIOD(SECON 10.6-118.3			TOTAL
TOTAL Mean HS(M) ≈ 0.	Ô Ĝ Largest h	ỏ ỏ 5(M) ≈ 0.	Ö Ö MEAN TP(SEC	0 0 11 = 0. 14	Ó Ò UMBER OF CASES	-
	3 ST : 70 APPROACH ANG LINE ANGLE = 1 LINE ANGLE = 1 NT OCCURRENCE 4.4-6.1-6.1-6.0 258 30 130 156 403 232	LE(20 YEAR M LE(RELATIVE 40.75N/124.2 2.0600 OF E(X1000) OF	AVE DIRECTION TO SHORELINE 5W LAT LO AZ) WATE HEIGHT AND PE	STATISTICA N DEGREES N D	L SUMMARY = 15.0 - 65N/124 - 114 60 METERS ECTION	9 TOTAL 0.78.25.75.50 00000
PHASE HATE SHORE HATE SHORE HEIGHT (METERS) 0.49 0.49 0.49 0.49 0.50 0.70 0.49 0.49 0.50 0.70 0.49 0.49 0.50 0.70 0.49 0.49 0.50 0.70 0.49 0.49 0.50 0.70 0.70 0.70 0.70 0.70 0.70 0.70	4.4-6.1-6.1-6.6.7-6.8-9.3-7-5.2-6.3-3-3-6.8-0.2-6.3-3-3-6.8-0.2-6.3-6.3-6.8-0.2-6.3-6.3-6.8-0.2-6.3-6.3-6.8-0.2-6.3-6.3-6.8-0.2-6.3-6.3-6.3-6.3-6.3-6.3-6.3-6.3-6.3-6.3		AVE DIRECTION TO SHORELINE SWAZ) HATE HEIGHT AND PE PERIOD (SECON 10.6 - 11.8 - 11.7 13.3	(DS) 135.4 15.4 15.4 15.4 15.3 18.1 18.1 18.1 18.1 18.1 18.1 18.1 18	L SUMMARY 74. 45.0 - 74. 65N/124 31W 65N/124 31W 6CTION 22.2 3- 22.2 LÖNGER 	TOTAL 166111315001127981000
PHASE HATCHES PHASE LATCHES PHASE PHASE PHASE PHASE PHASE PHASE PHASE PHASE PHASE PHASE PHASE PHASE PHASE PHASE PH			PERIOD(SECON	A A DE PORTO DE LA COMPANIA DEL COMPANIA DE LA COMPANIA DEL COMPANIA DEL COMPANIA DE LA COMPANIA DEL COMPANIA	L SUMMARY 104. 55N/124.314 500 METERS ECTION 18.2- 22.3- 22.2 LONGER 1	TOTAL

MEAN HS(M) = 2.83 LARGEST HS(M) = 7.59 MEAN TP(SEC) = 11.7 NUMBER OF CASES = 46835

PHASE WAYE LAT HORE PERCEN	APPROACH ANG LON: START= LINE ANGLE = NT OCCURRENC	20 YEA 40.75N/12 40.75N/12 E(X1000)				L SUMMARY = 105.0 - 134 550/124.31W 00 METERS ECTION	. 9
HEIGHT(METERS)	4.4~ 6.1- 6.0 8.0	8.1- 9.5	PERIO - 10.6- 10.5 11.7	113.3	§) 3.4- 15.4- 15.3 18.1	18.2- 22.3- 22.2 LONGER	TOTAL
- 0.999999999999999999999999999999999999	i 46 3 109 3 111 : 15 : 15		700 371 246 3311 246 32529 2477 23 441 2577 23 441 2577 23 441 2577 23 441 2577 23 441 2577 2577 2577 2577 2577 2577 2577 2577	22 44	377 ·		005227287632 891069837632 4710698304 1119633214
4'50 - 4'99 5.00 + 70TAL	: : 7 436	•	78 41 939 1517	1266 3	66 33 394 3	: : 0 0	203 142
MEAN HS(M) = 2.80	LARGEST H			TP(SEC)		JMBER OF CASES	5 = 3429
PHASE WAYE LAT SHORE PERCE!	APPROACH 70 APPROACH ANG LON. STARTS LINE ANGLE S VI OCCURRENC	20 YEA LE(RELAT) 40.75N/12 206.0 E(X1000)	AR WAVE DI TVE TO SHO 24.25W DEG. AZ.) OF HEIGHT	RECTION S RELINE IN LAT. LON. WATER D AND PERI	STATISTICA N DEGREES) END= 40. DEPTH = 10 LOD BY DIR	L SUMMARY = 135.0 - 164. 55N/123 14 500 METERS ECTION	. 9
HEIGHT(METERS)				D(SECONDS 113.3		18.2- 22.3- 22.2 LONGER	LATOT
0.499 0.500 0.500 1.22 2.500 2.500 2.500	4.4- 6.1- 6.0 8.3 17 23 3 42 3 11	15 15 8	: : :	13.3	15.3 16.1	22.2 LUNGER	\$4400 4400 *
99999999999999999999999999999999999999	: : : : : : 23 85	: : : 30	: : : : . :	: : : :		: : : : : :	0000
MEAN HS(M) = 0.94	LARGEST H	S(M) = 2.	.32 MEAN	TP(SEC)	= 7.1 N	JMBER OF CASES	s = 85
PHASE WAVE LAT SHORE PERCE!	APPROACH ANG LON. START= LINE ANGLE= TO OCCURRENC	LE(RELAT) 40.75H/1 206.0 E(X1000)				L SUMMARY 165.0 - 180. 55N/124-31H 500 METERS ECTION	.0
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9 9.5	PERIO - 10.6- 10.5 11.7	113.3 13 13.3 1	§) 3.4- 15.4- 15.3 18.1	18.2- 22.3- 22.2 LONGER	TOTAL
- 0.499 - 0.4999 - 1.2299 - 1.2999 - 1.2999 - 2.3999	i :						01000000000
3.50 - 3.99 4.00 - 4.49 5.00 - 4.99 5.00 - TOTAL	i	ò		ò			000
MEAN HOUND - 6 /3	LABOCOT II	A/M - A			_ / # \#	MOED OF 04050	

MEAN HS(M) = 0.61 LARGEST HS(M) = 0.61 MEAN TP(SEC) = 4.5 NUMBER OF CASES = 1





WIS STATION 70 (40.75N/ 124.25W TO 40.65N/ 124.31W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	noutemented temporary	หลายของสุดทองการสุดทองการ หลายของสุดทองการสุดทองสุดทาง	พาการและการและเกราะ	เกิดเกายอดีสามารถสามารถเกา	ANGUNDON	27.57.82.82.83.367.9.804.548	87097687280888951288	75778374849467777275	474247424442444	ณาเกลส 6 ณาการการการการการการการการการการการการการ	ณฑฑฑลงจ44งเกตเกตกลง จากการการการการการการการการการการการการกา	M4MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM	N56876666777669969104 EQUARAMANANANANANANANANANANANANANANANANANAN
MEAN	3.6	3.6	3.2	2.8	2.2	1.9	1.8	1.7	1.8	2.6	3.4	3.8	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 70 (40.75N/ 124.25W TO 40.65N/ 124.31W)

HTHOM

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT 1	40V DEC
37.50.89.70.80.70.70.80.70.70.80.70.70.70.70.70.70.70.70.70.	66665765666 30326772381

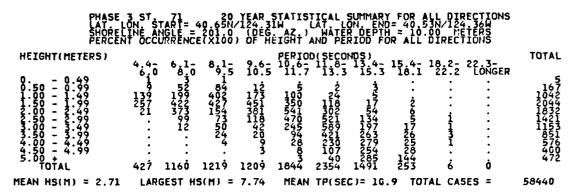
20 YR. STATISTICS FOR PACIFIC STATION 70 (40.75N/ 124.25W TO 40.65N/ 124.31W)

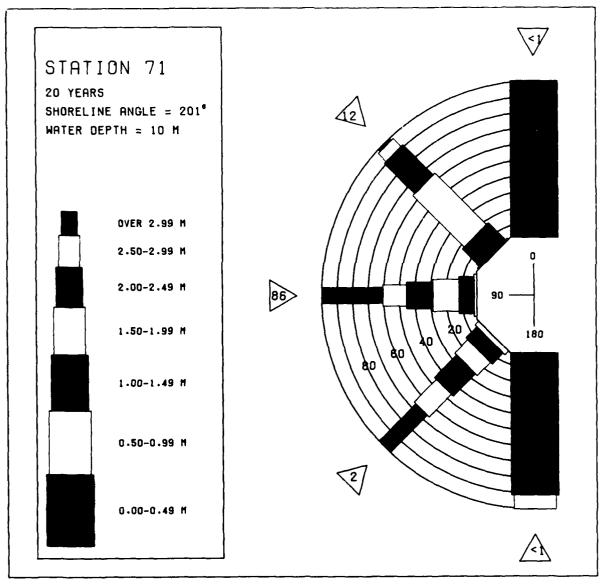
MEAN SIGNIFICANT WAVE HEIGHT	(METERS)	_2.7
MEAN PEAK WAVE PERIOD	DIRECTION BAND . (SECONOS)	10.9 90.0
STANDARD DEVIATION OF WAVE HS	(METERS)	71.1
STANDARD DEVIATION OF WAVE TP	(SECDNDS)	2.7
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAV	IF HS (DETERS)	16.3
AVERAGE DIRECTION ASSOCIATED WITH L	(METERS) (METERS) (METERS) (METERS) (METERS) (METERS) (METERS) (METERS) (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)	93.7
DATE OF LARGEST HS OCCURRENCE IS (Y	(R,MO,DA,HR)	69121209

PHASE LAT. PHASE LAT.	APPROACH ANGLE AND APPROACH ANGLE AN	8 0 1 - 9 6 - 5 1 0 . 5	PERIOD(SE 10.6-113 11.7 13	CONDS) 8- 13 4- 1 3 15 3	5.4- 18.2- 2 18.1 22.2 	2.3- LÖNGER
PHASE WAYE LATE PHASE WAYE LATE PHASE LATE PHASE	3 ST 71 APPROACH ANGLONE START 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 1 - 9.6 - 9.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10	AVE DIRECT TO SHORELI LAZ JAWA HEIGHT AND PERIOD(SE 10.6-7 13 11.7 13 11.7 13	CONDS) 8- 13.4- 1 8- 15.3	5 4- 18 2- 2 18.1 22.2 : : : : : : : : : 	23- LÔNGER 0 . 249 . 442 . 700 . 0
PHASE HAYE SHORE TO THE PERCENT OF T	3 ST CH 71 NGL CON START = 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 1 5 9 6 5 10 5 10 7 3 102 5 6 6 3 10 6 3 10 6 8 2 5 2 7	PERIOD(\$E 10.67 113 11.7 13 	CONDS) 8- 13:4- 1 8- 15:3 15:3 15:3 15:3 15:3 15:3 15:3 15:3	TICAL SUMMAR TEES = 45.0 = 40.53N/124 = 10.00 HET DIRECTION 5.4-18.2-2 1 1 1 1 1	Z3_ TOTAL LÔNGER . 1700 . 1790 . 17954 . 16008 . 2576 10008
PHASE WAYE REPORT OF THE PHASE WAYE WAYE WAYE WAYE WAYE WAYE WAYE WAY	175 2203 1	8 1 - 9 6 - 5 10 3 3 10 10 3 10 10 3 10 10 10 10 10 10 10 10 10 10 10 10 10	PER 100 (SE) 1016-7 113 9567 2567 34296 2568 21665 2665 1888 2199 17270 2266	CONDITION 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5.4-1 22 2-2 18.1-15.50223-5 12.65.27-6.822-7-8-4	Y 104.9 36W3 TOTAL 23- LÔNGER 29 17573376 1132376 104695 10469

	3 ST PPROÁCI ON ST INE ANO IT OCCU	71 H ANGLI ART= 4 SLE = RRENCE	20 YI E(RELA) 0.65N/ 201.0 (X1000	IVE 1 124.31 10EG				TICAL EES)= 40.53 = 10.0 DIREC	SUMMAR 105.0 SN/124 10 MET	Y - 134.9 36W ERS	
HEIGHT(METERS)	4.4-	6.10	8,1- 9.5	9.6- 10.5	PERIOD !	\$ECUNI 13.3	(3,4- 1 15.3	5.4- 1 18.1	8.2- 2 22.2	2 3- LONGER	TOTAL
99999999999999999999999999999999999999	i	34 83 75 111 178 15 1 397	1006633501 200603601 100603601	29 1776 130 306 761	77021846219 21866219 2177	· 5901527740 1277250750	24444478			: : : : : : :	00925294845 5303622875 358886211
MEAN HS(M) = 2.91	LARG	EST HS	(M) = (5.59	MEAN '	rp(SEC .) = 10.	5 NUI	1BER OF	CASES =	2736
PHASE WAYE LAT SHORE PERCEN	3 ST PPROACI ON ST INE AN	71 H ANGL ART 4 SLE = RRENCE	20 YI E(RELA 0.65N/ 201.00	AR W IVE 124.31 (DEG	AVE DIRI TO SHORI LW AZ) HEIGHT			TICAL EES)= 40.5; = 10.60	SUMMAR 135.0 SN/124. O MET	Y - 164.9 36W ERS	
HEIGHT(METERS)	4.4-	681-0	8 <u>1 -</u> 9.5	9.6- 10.5	PERIOD: 10.6-	SECONO)§) [3:4- 1	5.4- 1 18.1	18.2- 2 22.2	2.3- LONGER	TOTAL
0.500 - 1.49 1.500 - 2.49 2.500 - 2.49 2.500 - 2.49	6.0 15 1	46 11	6	:0.5	:	:	19.3	:	:	LUNGER	2411
0-1-223344 0-1-223344 0-1-223344 0-1-223344 0-1-223344 0-1-22334 0-1-22334 0-1-22334 0-1-22334 0-1-22334 0-1-22334 0-1-2234	5	65	8 3			•		:		:	19 8 0
3.00 - 3.49 3.50 - 3.99 4.00 - 4.49	•					•			•	:	000
4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	: 2 4	: 74	17	å	ċ	å	ċ	Ó	Ġ	: å	Ŏ
MEAN HS(M) = 0.99	- '	•	(M) = ;	•	•	FP(SEC	•	•	BER OF	CASES =	71
PHASE HAYE LAYE SHOREL PERCEN	3 ST IPPROACI ON ST INE AN	71 ANGL ART 4 SLE 2 RENCE	20 YI E(RELA 0.65N/ 201000	EAR WA TIVE 124.31 (DÉG.				TICAL EES)= 40.5; 10.5; DIREC	SUMMAR 165.0 SN/124. SO MET	Y - 180.0 - 36W ERS	
HEIGHT(METERS)	4,4-	6.1- 8.0	8,1-	9.6- 10.5	PERIOD:	SECONI)\$) 13.4 _~ 1 15.3	5.4- 1 18.1	8.2- 2 22.2	2.3- LÖNGER	TOTAL
0.50 - 1.49 1.50 - 1.49 2.50 - 2.49		:		:	:	:	:	:	:	:	0
0.500 - 1.499 1.500 - 1.499 2.500 - 2.499	:	:	:			:				:	o o
	:		:	:	:	:	•	:	•	:	0000000000
3.29 3.20 - 3.49 3.20 - 4.99 4.50 + 4.99 5.00 + TOTAL	: ò	: ò	; ò	: ò	: ò	: ò	: ò	ċ	ċ	Ö	Ŏ

MEAN HS(M) = 0. LARGEST HS(M) = 0. MEAN TF(SEC) = 0. NUMBER OF CASES = 0





WIS STATION 71 (40.65N/ 124.31W TO 40.53N/ 124.36W) MONTH

							-						
	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	ИОЛ	DEC	
R67890123456789012345 E678999999999999999999999999999999999999	90790000499490700974	nnon-monnon-a-ma-ma-ma-ma-ma-ma-ma-ma-ma-ma-ma-ma-m	กากณณกากกณกณากากกากสากา	1991-1764807-1944-1-1-1-1981	4700007700756777104560	27-57-8-17-28-9-67-9-8-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-	77097587280788951287	757783749467777175	11-12-1-12-1-12-1-1-12-1-1	ณาเกิด4 6ณฑณาณตากงณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณณ	ชกกรชงจรรงสุดบานคงอรรชง งกากการการการการการการการการการการการการก	ณะ1799.กฎาคมกากคนากคนากคนาก การการการการการการการการการการการการการก	25.007.0666777.0509.09.104 Executive control of the second
MEAN	3.6	3.6	3.3	2.8	2.2	1.9	1.8	1.6	1.8	2.6	3.5	3.9	

LARGEST HS(METERS) BY MONTH AND YEAR

HIS STATION 71 (40.65N/ 124.31W TO 40.53N/ 124.36W)
MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	967606674746644666666	5-40-1-20-00-1-00-1-00-1-00-1-00-1-00-1-0	<u> </u>	06131678423080747042	474ท4-17M97ณ9ม-1-11009-10	กรณะเกาะการเกาะการเกาะการการการการการการการการการการการการการก	งสายการการการการการการการการการการการการการก	งการกระบายการกระบารทางกระบารทางทางกระบารทางทางกระบารทางทางทางทางทางทางทางทางทางทางทางทางทางท	648นทากองเกิดคอดอกสางอ	957598959898555955555555555555555555555	991794177727879	90531614131707864611

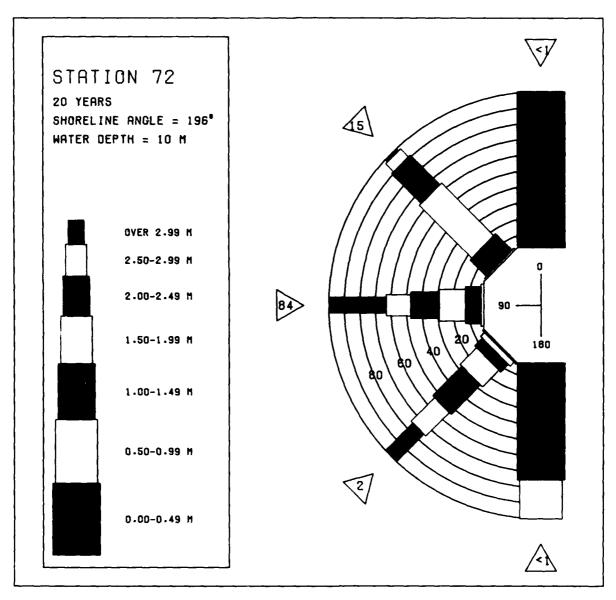
20 YR. STATISTICS FOR PACIFIC STATION 71 (40.65N/ 124.31W TO 40.53N/ 124.36W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD GREE (CENTER) DIRECTION BAND (SECONDS) MOST FREQUENT 30.0 DEGREES (CENTER) DIRECTION BAND	2.7 10.0 90.2 2.6 7
LARGEST MAVE HS MAYE TP ASSOCIATED WITH LARGEST WAVE HS VERRED BIECTION ASSOCIATED WITH LARGEST WAVE HS DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	16.7 69121209

PHASE A LATOREL SHOREL PERCULA	3 ST 72 APPROACH ANG ON. START= THE ANGLE = IT OCCURRENC	LE(RELATIVE 40.53N/124 196.0 (DEC E(X1000) OF	AVE DIRECTO SHORELTO SHORE SHO	TION STAT	(STICAL SUMM SREES) = 0 0 = 40.43N/12 1 = 10.00 BY DIRECTION	IARY 4.40W ETERS	
HEIGHT(METERS)				FCOMOS)	15.4 '3.2- 18.1 '22.2		TOTAL
99999999999999999999999999999999999999	464- 61- 3 : : : : : : : : : : : : : : : : : : :	9.5 10.5	· 11./ 1.	5.3 15.3 	18.1 22.2	LUNGER	300000000000
MEAN HS(M) = 0.05	LARGEST H	S(M) = 0.08	MEAN TP	•	5.5 NUMBER	OF CASES =	2
	3 ST 22 PPROACH ANG ON START= INE ANGLE = IT OCCURRENC	LE(20 YEAR LE(RELATIVE 40.53N/124.1 196.0 (DEG E(X1000) OF			ISTICAL SUMM SREES)= 15 3= 40.43N/12 4 = 10.00 M 3Y DIRECTION	IARY 0 - 44.9 4.401 ETERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8,1- 9,6- 9.5 10.5	PERIOD(S) 10.6- 11 11.7 1	ECONDS) .8- 13.4- 3.3 15.3	15.4- 18.2- 18.1 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	609 771 1159 3 1231 	: : : : : : : : : : : : : : : : : : :		· · · · · · · · · · · · · · · · · · ·			1389 1989 19234 19234 10000
MEAN HS(M) = 1.65		S(M) = 2.66	MEAN TP	•	•	OF CASES =	1741
PHASE WAYE L LAT SHOREL PERCE	3 ST 72 SPPROACH ANG ON START = INE ANGLE : IT OCCURRENC	LE(RELATIVE 40,53N/124 196.0 (0.5 E(X1000) OF	IAVE DIRECTO SHOREL TO SHOREL 16W LAT HEIGHT AND	TION STATI INE IN DE LON. EN ATER DEPTH O PERIOD E	ISTICAL SUMM SREES)= 45.)= 40.43N/12 1 = 10.00 3Y DIRECTION	IARY 0 - 74.9 4 40W ETERS	
HEIGHT(METERS)	4,4- 6,10				15.4- 18.2- 18.1 22.2		TOTAL
99999999999999999999999999999999999999	6.0 8.0 61 169 1926 33550 181 3487 . 87 . 87 	9.5 10.5 6.3 6.3 6.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7	11.7 1: 11 11 1: :	3.3 15.3 6 : : : : : : : : 6 0	18.1 22.2 : : : : : : : : : : : : : : : : : : :	LONGER	31991145 31600805 31600805 31600805
MEAN HS(M) = 1.92	LARGEST H	5(M) = 4.21	MEAN TP	(SEC) = (5.9 NUMBER	OF CASES =	8005
		LE(RELATIVE 40 53N/1242 196.0 (026 E(X1000) OF	AVE DIRECTO SHORELTO SHORE LATE	TION STAT	[STICAL SUMM SREES]= 75 P= 40.43N/12 1 = 10.00 M BY DIRECTION	ARY 0 - 104.9 4.40W ETERS	
HEIGHT (METERS) 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.4	102 1738	8 91-5 10 33 8 91-5 10 33 8 152 20 10 35 8 161 20 10 35 10 10 10 10 10 10 10 10 10 10 10 10 10 1	PERIOD (S) 11.6-7 1.56-7 1.66-97-1.55-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-	ECOND 9 1 5 3 4 9 1 7 7 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4- 18.2- 18.5- 1 23.7- 27.3- 10.70 2.35 10.70 2	22.3- LONGER : : : : : : : : : : : : :	TOTAL 292008311776 4402095045377 55174737 551747 551747 5517

PHASE 3 ST. 72 PHASE 3 ST. 72 20 YEAR HAVE DIRECTION STATISTICAL SUMMARY HAVE APPROACH ANGLE RELATIVE TO SHORELINE IN DEGREES = 155.0 - 164.9	PHASE ALL AND AND AND AND AND AND AND AND AND AND	72 NGG 72 NGG 72 NGG 72 NGG 72 NGG 73 NGG 74 NGG 75 NGG 75 NGG 75 NGG 76 NGG 77 NGG	20 LATIVE LE (RELATIVE 40,53 NO 12 DE 40,53 NO 12 DE 40,53 NO 12 DE 41,54 NO 12 D		ECTION IN INC.		TICAL SUP ES)= 100 40,43 N/ - 10,600 DIRECTION 5,4- 18,1 - 22 	2 22.3 2 LÓNGER	TOTA 473582077420
HEIGHT (METERS) 4.4-6.1-8.1-9.6-10.6-11.3-13.4-15.4-18.2-22.3- 0.049	MEAN HS(M) = 2.55	LARGEST H	S(M) = 4.97	MEAN	TP(SEC)	= 10.2	NUMBER	OF CASES	= 1154
0.50 - 0.999			LE(RELATIVE 40.53N/124. 1960 (0. E(X1000) OF				[ICAL SUM ES]= 139 40.43N/ = 10.00 DIRECTION	1MARY 5.0 - 164.9 124.40W METERS N	
0.50 - 0.999		4.4- 6.1- 6.0 8.0	8,1° 9,6 9.5 10.	10.6- 5 11.7	11.3-1	3.4- 15 15.3	6.1 18.2	2 - 22.3- 2 LONGER	
### HS(M) = 1.24 LARGEST HS(M) = 2.27 MEAN TP(SEC) = 7.4 NUMBER OF CASES = 78 #### PHASE 3 ST. 72 ### APPROACH ANGLE(RELATIVE TO SHORELINE IN DEGREES) = 165.0 - 180.0 ### LAT. LCN. START = 40.53N/124.36M LAT. LON. END = 40.43N/124.40M SHORELINE ANGLE = 196.0 (DEG. AZ.) WATER DEPTH = 10.00 METERS PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION ###################################	0.4999999999999999999999999999999999999		177	:					2004 2004
HEIGHT(METERS) PERIOD(SECONDS) TOTAL 4.4~ 6.1- 8.1- 9.6- 10.6- 11.8~ 13.4- 15.4- 18.2- 22.3-		LARGEST H	S(M) = 2.27	MEAN	TP(SEC)	= 7.4	NUMBER	OF CASES	= 78
HEIGHT (METERS) 4.4-61-8.1-9.6-10.6-11.8-13.4-15.4-18.2-22.3- 6.0 8.0 9.5 10.5 11.7 13.3 15.3 18.1 22.2 LONGER 0.50-0.99 1.00-1.49 2.00-2.49 2.00-2.49 2.00-2.49 2.00-3.49 2.0		3 ST PPROÁCH ANG CN. START= INE ANGLE = T UCCURRENCI	LE(RELATIVE 40.53N/124. 196.0 (DE E(X1000) OF				[ICAL SUPERSON 10 10 10 10 10 10 10 1	1MARY 5.0 - 180.0 124.40W METERS N	
0.499		4,4~ 6,1-	8,1- 9,6	PERIOD - 10,6-	(SECOND	5) 3.4- 15	4- 18.	2- 22.3-	TOTAL
MEAN HS(M) = 0. LARGEST HS(M) = 0. MEAN TP(SEC) = 0. NUMBER OF CASES = 0	TOTAL				: : : : :		ò		_

PHASE 3 ST. 72 20 YEAR STATISTICAL SUMMARY FOR ALL DIRECTIONS SHORELINE AND 124.40M LAT LON END = 40.43N/124.40M PHASE 3 ST. 72 10.53N/124.36M LAT LON END = 40.43N/124.40M STATISTICAL SUMMARY FOR ALL DIRECTIONS PROPERTY OF THE PROPERTY OF



WIS STATION 72 (40.53N/ 124.36W TO 40.43N/ 124.40W)

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m	П	N	ш	н	

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R67890123456789012345 F9999999999999999999	984-16869mmgmag-1502-mm	หณาของการเกาะสายการเกาะสายการเกาะสายการเกาะสายการเกาะสายการเกาะสายการเกาะสายการเกาะสายการเกาะสายการเกาะสายการเ	0915749000004674670971000	มลอดมมหายอาการกระ	421100117904566574145572	27-6682727-77-67-989-79-88	770976872808899557188	757783737494677771175	69805789889257797281	<u> </u>	ACCUMPTED COMPANION OF THE PROPERTY OF THE PRO	งครากรากการการการสุด เกาะการการการการการการสุด	2457-66เกษกา-66เก49-8เกษา-84-8 สามารถการการการการการการการการการการการการการก
MEAN	3.4	3.5	3.2	2.7	2.1	1.9	1.8	1.7	1.8	2.5	3.3	3.7	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 72 (40.53N/ 124.36W TO 40.43N/ 124.40W) MONTH

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1973 6.4 6.1 6.4 5.1 3.9 4.5 3.0 2.9 3.5 3.7 5.8 6.6 1975 5.4 5.5 6.0 3.4 4.7 3.2 2.6 2.7 1.7 5.3 5.8 4.8	Y1111111111111111111111111111111111111	9895575055 65565575654	61869513801	566546	0674475477465554	018512429 MARKATANATA	างงงงทองกองกองจองสา	2.5	unananananan unananananan	จักเกษาออกอเกเกาออก ณาณณ4กาณ44กณากา	6977472090708	7122801701	21104020514018526 65665665666576566

20 YR. STATISTICS FOR PACIFIC STATION 72 (40.53N/ 124.36N TO 40.43N/ 124.40N)

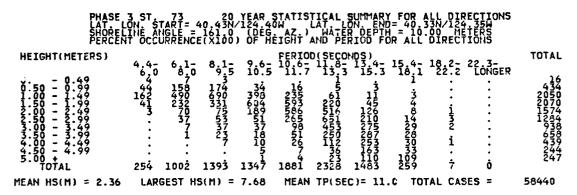
MEAN SIGNIFICANT WAVE HEIGHT	2.6 10.9 90.0
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND . (DEGREES) STANDARD DEVIATION OF WAVE HS (SECONDS) STANDARD DEVIATION OF HAVE TP (SECONDS) LARGEST WAVE HS (METERS)	71:1 2:7 7:1 16:7 90:4 69121121
LARGEST WAVE HSTON WITH LARGEST WAVE HS (METERS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	16.7 90.4 69121121

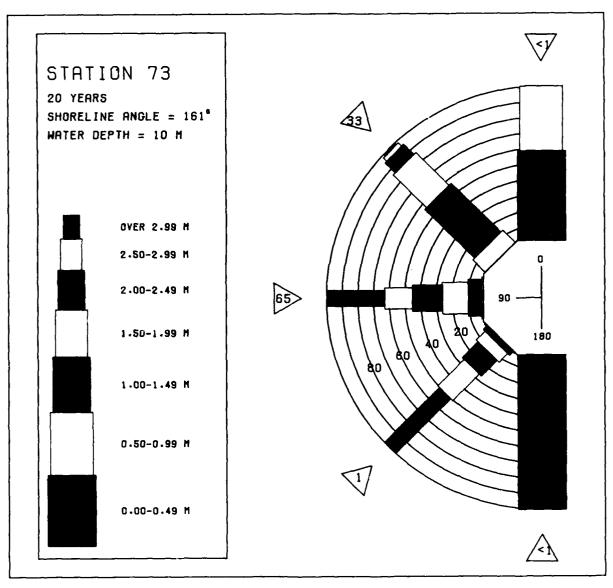
Appendix D: Sta 73 through 105

	73 NENDOCING 74 75 78	124°) T DELGABA	123°
\$-28	27 -\$	80 CAPE VIZCAINO 81 82 82 FORT BRAGG	
38°	26- �	84 85 86 PT ARENA	
25-\$	24-\$- PACIFIC OCEAN 2	90 90 91 91 92 93 94 95	DODEGA HEAD
38°	22-\$	96_ 97 PT. REYES	OAKLAND 8 99
	LEGEND PHASE II PHASE III	21-\$- SAN FRANCIS 20 SAN FRA	0 103 7

HEIGHT(METERS)	3 ST ACH 73 MGI PROJECT AMGI ON START = 1 INE AMGIE = 1 T OCCURRENCI 4640 610	20 YEAR W 10.43N/1244 161.0 (DEG E(X1000) OF 8.1- 9.65 9.5 10.5			TICAL SUMMAI EES)= 00 40.33N/124 = 10.00 ME DIRECTION 5.4- 18.2- 18.1 22.2	TOTAL 22.3- LÖNGER
- 0.49 - 0.40 - 0.40	i i i i i i i i i i i i i i i i i i i		Ö ()	Ö Ö	15
UPTOUT (METERO)		20 YEAR L LE(RELATIVE 40.43N/124.4 161.0 E(X1000) OF				
99999999999999999999999999999999999999	4;4- 6;1- 6;0 8;0 422 874 1560 3244 313 1671 	8.1- 9.6- 9.5 10.5 189 : 174 : 23 : 	10.6-11.	3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.	5.4- 18.2- 16.1 22.2 	22.3- LONGER 77: 13093- 13993- 1350- 0 0 0 0
MEAN HS(M) = 1.30 PHASE WAVE LATE SHOWEL PERCEN		20 YEAR W LE(RELATIVE 40,43N/124-4 1610 OF E(X1000) OF	MEAN TP(S	ON STATIST IE IN DEGRI LON. END= ER DEPTH =		F CASES = 5071 RY 74.9 iERS
HEIGHT (METERS) 0.499 0.500 - 1.999 1.500 - 2.399 1.500 - 3.499 2.500 - 3.499 4.500 - 4.99	4-0 68-05-55-55-55-55-55-55-55-55-55-55-55-55-		PEO: 1 16020 1	ONDS) 4- 11 3 15.9 3 25.0 25.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 1		22.3- LONGER
		5(M) = 7.04 LE(RELATIVE 40.431/124 40.431/124 E(X1000) OF	AVE DIRECTI OW LAT HEIGHT AND	ON STATIST LE IN DEGRE LON ENDE ER DEPTH = PERIOD BY	TICAL SUMMA EES)= 75.0 40.33N/124 = 10.00 ME DIRECTION	F CASES = 40939
HEIGHT(METERS) 0 0.49 0.50 - 1.49 1.500 - 2.49 2.500 - 2.49 2.500 - 3.49 4.500 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 6.00 - 4.99	4.4~ 6.1° 6.0° 8.0° 16 65 18 18 18 19 18 18 19 18 18 19 18 18 19 18 18 18 18 18 18 18 18 18 18 18 18 18	8.1- 9.6-5 6.6 3.9 1658 3.83 887 1088 887 1088 634 449 15 671 1350 6(M) = 7.68	\$ 4000000000000000000000000000000000000		5 57505580 1322 1505580 111 1505580 111 1505580	TOTAL 2.3- LÖNGER 1020 1128 1020 1711 13151 13418 12356 12356 123770 11076 0 F CASES = 11236

	3 ST 7 PPROACH ON. STAR THE ANGLI T OCCURR	3 ANGLE (REL T= 40,43N ENEE (X100	YEAR HATIVE						Y - 134.9 35W ERS	
HEIGHT(METERS)	4.4- 6	.1- 8,1- 8.0 9.5	9.6-	PERIOD	(SECOND 11.8-1	5) 3.4- 1	5.4 <u>-</u> 1	8.2- 2	2.3- LONGER	TOTAL
0.500 - 1.49 1.500 - 1.49 2.500 - 2.49	•	: :	: i	•	13.3 : i	15.3	18.1	22.2	LONGER	0 0 51 127
- 0.49 0.99 - 0.49 - 1.99 2.500 - 1.99 2.500 - 3.49 - 3.600 - 4.99 - 4.500 - 4.99 - 5.000 - 4.99 - 5.000 - 4.99 - 5.000 - 4.99 - 7.000 - 7.000 - 4.99 - 7.000 - 7.		39 39 39 39 189 189 189 131	18 388 977 477 172	1604779209 319	135976	: <u>i</u>	:	•	:	526947547 123333321
5.00 + TOTAL	34 4:	. 1 33 690	17 372	30 319	27 96	13	Ö	Ġ	ò	187
MEAN HS(M) = 3.26	LARGES	T HS(M) =			TP(SEC)	= 9.	2 NUM	BER OF	CASES ≈	1159
PHASE ALLAYEL	3 ST. 7 PPROACH ON STAR INE ANGLI T OCCURR	3 ANGLE(REL T= 40,43 E= 161 ENCE(X100								
HEIGHT(METERS)	4,4- 6	5.0 8,1.	9.6-	PERIOD	(SECOND 11.8-1 13.3	\$} 3,4 <u>-</u> 1	5,4 <u>-</u> 1	8.2- 2 22.2	2.3-	TOTAL
99999999999999999999999999999999999999	ڔؙ؆	3 7.2	. 10.5	11.7		15.3		22.2	LUNGER	8
0.50 - 0.49 0.50 - 0.99 1.00 - 1.49 1.50 - 1.99	3	, , , , , , , , , , , , , , , , , , ,	:	:	:	:	:	:	:	9 13
2.50 - 2.49	•	:	•		•	•		:	•	Ŏ
3.50 - 3.99	:	: :	:	•	:	:	:	•	•	0
4.50 - 4.99	:	: :	:	:	:	:	•	:	:	130000000
	14	2 3 0	Ċ	Ö	Ò	Ö	Ö	Ò	Ó	·
MEAN HS(M) = 1.08	LARGES'	T HS(M) =	1.92	MEAN .	TP(SEC)	= 6.	4 NUM	BER OF	CASES =	24
	3 ST 77 PPROACH INE STAR INE ANGLI T OCCURRI	3 ANGLE(REL F= 40.43 E= 161.0 ENCE(X100								
HEIGHT(METERS)	4.4- 6	1- 8.1- 3.0 9.5	9.6-	PERIOD	(SECOND 11.8-1	5) 3 ₆ 4 <u>-</u> 1	5,4 <u>-</u> 1	8,2 <u>-</u> 2	2.3-	TOTAL
0.50 - 0.49 0.50 - 0.99	6.0	. 7.5	. 10.5	11.7		12.3		22.2	LUNGER	ò
0.500 - 1.500 1.500 - 1.22 2.500 - 2.29 2.500 - 2.299	:		:	:	:	:	:	:	•	ŏ
2:50 - 2:49	•		:	•		:	•	•		Š
3.50 - 3.99	:	: :	:	:	:	:	:	:	:	9
901122999999999999999999999999999999999	:	: :	:	:	:	:	:	:	:	0000000000
	Ö	Ö Ö	Ġ	Ġ	å	Ò	ò	Ò	Ö	U
MEAN HS(M) = 0.	LARGES	r HS(M) =	0.	MEAN '	TP(SEC)	= 0.	NUM	BER OF	CASES =	0





WIS STATION 73 (40.43N/ 124.40W TO 40.33N/ 124.35W)

HTHOM

						110111	••						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y111190123456789012345 N E999999999999999999999999999999999999	noutminouverninouverniton n	מפריטייים און מפריטיים און מייטיים און מפריטיים און מפריטיים און מפריטיים און מוויים און מייטיים און מייטיים און מייטיים א	กลายการกระบายการการการการการการการการการการการการการก	AND AND AND AND AND AND AND AND AND AND	2007-89-4-6-9-07-9-07-07-09-09-09-09-09-09-09-09-09-09-09-09-09-	84744948585776579897 6	MM-00000000000000000000000000000000000	הפנה הוא היים היים היים היים היים היים היים היי	47.007.400557.07.47.4050 5	שאוישיאטאיאטאיאטאיאט א	48954848กากการเกากระทาง ก	הפלילוסטונולים אל משמע האלימים וו מיינים מיינים	Zembermenterenterenterenteren Herriotenenterenterenterenteren H

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 73 (40.43N/ 124.40W TO 40.33N/ 124.35W)

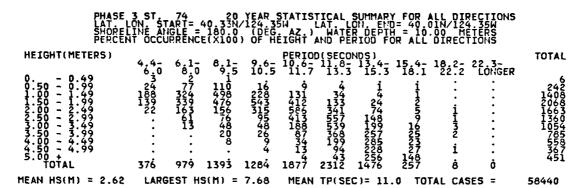
	JAN	FEB	MAR	APR	MAY	THOM HUL	H JUL	AUG	SEP	ост	NOV	DEC
R67890123456789012345 E955566666666777777 E95959999999999999999999999999999	87447393007470972447	มาการ เมื่อสุด เมื่อสุด เมื่อสุด เมื่อสุด เมื่อสุด เมื่อสุด เมื่อสุด เมื่อสุด เมื่อสุด เมื่อสุด เมื่อสุด เมื่อ	งง่ายกรุงการจุดาสาณาเกษตกา	งงงงหาคายอกการการจงหาย งางการการการการการการการการการการการการการก	Paramananananananananan da paramanananan da paramanan da paramanan da paramananan da paramananan da paramananan da paramananan da paramanan paramanan paramanan paramanan paramanan paramanan da pa	9.62m4.44\เกิบการเการเการการการการการการการการการการการการการก	14-1108-1900-1880007-90-60	นาณงงาณากาณางางกางกางการการการการการการการการการการการการการก	ชุดเกิดสะหานายการของ ชุดสาการทา	75-07-1004-07-05-15-15-15-15-15-15-15-15-15-15-15-15-15	738700057357899000441	50865834407777882611

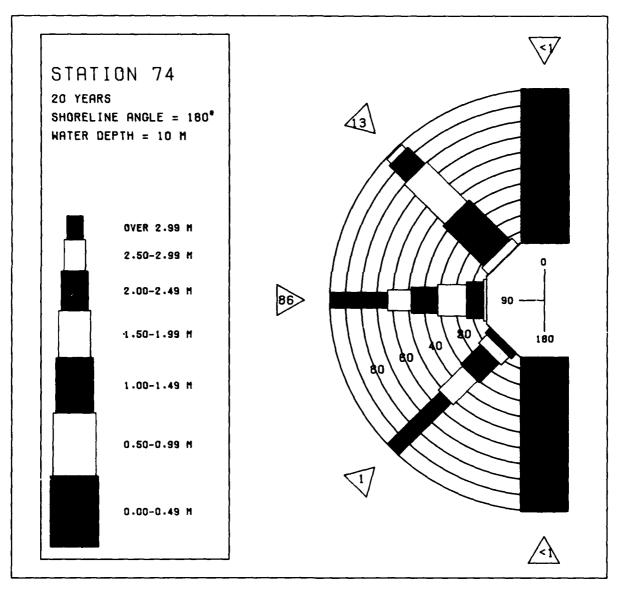
20 YR. STATISTICS FOR PACIFIC STATION 73 (40.43N/ 124.40N TO 40.33N/ 124.35N)

MEAN SIGNIFICANT MAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECONDS)	2.4
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	₹ <u>₹</u> ;8
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	1:1 7:5 7:7
LARGEST MAVE HS (METERS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (VECONOS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	16:7
LARGEST MAVE HS 1000 MITH LARGEST MAVE HS (METERS) / WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	69121200

PHAS WAVE LAT SHOR PERC	E 3 ST 74 APPROACH ANG LON STARTS ELINE ANGLE = ENT OCCURRENCE	20 YEAR LE(RELATIVE 40.33N/124 180.0 (DÉ E(X1000) OF	WAVE DIRECT TO SHORELI 35W LAT G AZ) WA HEIGHT AND	ION STATI TE IN DEG LON. END TER DEPTH PERIOD B	STICAL SUMM REES) = 0 = 40.01N/12 = 10.00 M Y DIRECTION	ARY - 14.9 4.35M ETERS	
HEIGHT(METERS)	4,4- 6,1-	8.1- 9.6 9.5 10.	PERIOD(SE	CONDS) B- 13.4-	15.4- 18.2- 18.1 22.2	22.3- LONGER	TOTAL
0.4999999999999999999999999999999999999	6.0 8.0 	9.5 10.	5 11:/ 13		18.1 22.2	LUNGER	00000000000
MEAN HS(M) = 0.	LARGEST H	S(M) = 0.	MEAN TPO	SEC) = 0	. NUMBER	OF CASES =	0
	E 3 ST 74 APPROÁCH ÁNG LON: STARTE ELINE ÁNGLE = ENT OCCURRENC	20 YEAR LE(RELATIVE 40.33N/124. 180.00 (OE E(X1000) OF			STICAL SUMM REES)= 15 = 40.01N12 = 40.01N12 Y DIRECTION		
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8;1- 9;6 9.5 10.	PERIODISE - 10.6- 11.7 5 11.7 13	5- 13.4- 3- 15.3	15.4- 18.2- 18.1 22.2	22.3- LÖNGER	TOTAL
99999999999999999999999999999999999999	1552 10333 1405 6 25 					•	58339 114231000000
TOTAL MEAN HS(M) = 1.3	1590 286 1 iapgest h	0 0 S(M) = 2.28	0 HEAN TREE)	Ó Ó .7 NUMBER	0 OF CASES =	1099
	E 3 ST. 74 APPROACH ANG LON. START= ELINE ANGLE = ENT OCCURRENCE		HAVE DIRECT TO SHORELI 35H LAT GAZ) HA HEIGHT AND	ION STATI NE IN DEG LON. END TER DEPTH PERIOD B	STICAL SUMM REES)= 45 = 40.01N/12 = 10.00 M y direction	ARY 0 - 74.9 4.35W ETERS	
PHAS MAYE LATE SHOR SHOR PERC HEIGHT(METERS)			DC0700(65	ION STATI NE IN DEG LON. END TER DEPTH PERIOD B CONDS) 8- 13-4-	STICAL SUMM REES)= 45: = 40:01N/12 = 10:00 Y DIRECTION	ARY 0 - 74.9 4.35W ETERS	TOTAL
			PERIOD(SE - 10.6- 11.7 11.7 13 27 1777 1509 40 188 29 1 33	CONDS) 4-3 15:3 15:3 10:0	STICAL SUMM REES) = 40.01 N/12 = 40.00 1 M/12 Y DIRECTION 15.4- 18.2- 18.1 22.2	ARY 74.9 0 35W 2 35W ETERS 22.3- LONGER 	TOTAL 37 7200396 720045802 120045802 12003 1003 1
HEIGHT (METERS)	4.4- 61- 610 2586 816 5866 816 5786 990 3107 200 1366 	8.1- 9.6 9.5 10.4 2774 551 2794 677 2720 677 2720 677 2731 183 116 75 27 18 	PERIOD (SE 1016-11:37 273 1777 1522 48 1777 1522 48 299 11 866 299 11	CONDS) 3 15.3 	15.4- 18.2- 18.1 22.2 :	ARY 74.9 0 - 74.9 2 - 35W E T ERS 2 2.3 - 2 1.0 NG ER 	760039 57700458002 777015802
HEIGHT (METERS) 0. 10 499 1. 10 499 1. 10 499 1. 10 499 1. 10 499 1. 10 699 1. 10 699 1. 10 70 70 70 70 70 70 70 70 70 70 70 70 70	4.4- 61- 610 2586 816 5866 816 5786 990 3107 200 1366 	8 1- 9 6 1 1 5 10 3 2794 551 2794 577 331 183 127 18 1 1 183 1 1 1 183 1 1 1 183 1 1 1 183 1 1 1 183 1 1 1 183 1 1 1 183 1 1 1 183 1 1 1 183 1 1 1 183 1 1 1 183 1 1 1 183 1 1 1 183 1 1 1 183 1 1 1 183 1 1 1 183 1 1 1 183 1 1 1 1 183 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD (SE 1016-7 13 1177 3 1777 3 189 88 29 21 862 26 MEAN TP(MAVE DIRECTION SHORE TO SHORE TO SHORE TO SHORE TO SE 35M LAT WAS	CONDS 3 15 3 15 3 15 3 15 3 15 3 15 3 15 3 1	15.4- 18.2- 18.1 22.2 :	22.3- LONGER 	37-603-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7
HEIGHT (METERS) 0.500 - 10.499 10.500 - 10.49	4.4- 6.1- 6.0 2.26 6.2 2.71.5. 81.6 2.71.5. 2.00 1.36.6 2.00 1.36.6 2.00 2.00 2.00 2.6 2.00 2.00 2.00 2.6 2.00 2.00 2.00 2.6 2.00 2.00 2.00 2.6 2.00 2.00 2.00 2.6 2.00 2.00 2.00 2.6 2.00 2.00 2.00 2.6 2.00 2.00 2.00 2.6 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	8 1 - 9 6 5 10 3 27 24 5 5 7 7 3 3 1 2 7 2 8 1 2 7 2 8 1 2 7 2 8 1 2 7 2 8 1 2 7 2 8 1 2 7 2 8 1 2 7 2 8 1 2 8 1 2 8 1 2 8 1 2 9 6 8 1 - 9 6 8 1 - 9 6	PERIOD (SE 1016-7 13 1016-7 13	CONDS 3 15 3 15 3 15 3 15 3 15 3 15 3 15 3 1	15.4- 16.2- 18.1 22.2	22.3- LONGER 	37 17260 777039 11563 1016 3016 3016 12227
HEIGHT (METERS) 0. 10 499 1. 10 499 1. 10 499 1. 10 499 1. 10 499 1. 10 699 1. 10 699 1. 10 70 70 70 70 70 70 70 70 70 70 70 70 70	4.4-6.1-6.2665 816-2.2665 816-2.2665 816-2.2665 910-2.2665 910-2.2665 92	8 1- 9.6 9 15 10 3 574 581 2724 677 2720 677 331 183 127 183	PERIOD (SEI 13 14 15 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	CONDS 1 5 3 1 5 3 1 5 3 1 5 3 1 5 3 1 5 3 1 5 3 1 5 3 1 5 3 1 5 3 1 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	15.4-1 16.2-2 18.1 22.2 18.1 22.2 0 0 0 0 0 0 NUMBER STECAL SUMM 22.2 10.0 0 10.0 10.0 10.0 10.0 10.0 10.0 10	22.3- LONGER 	7-6039-631-8083 7-7-7-7-8-1-3-1-2-2-2-3-1-3-1-3-1-3-1-3-1-3-1-3-1

PHASE MAVE A LAT.L SHORE PERCEN	3 ST. 74 PPROACH ANG! ON. START= 2 INE ANGLE = T OCCURRENCE	20 YEAR E(RELATIVE 10.33N/124 180.0 (DEC				TICAL SUM EES)= 105 40.01N/1 = 10.00 DIRECTIO	MARY .0 - 134.9 24.350 Meters N	
HEIGHT(METERS)	4,4- 6,1-	8.1- 9.6 9.5 10.	PERIOD 106-7	(SECOND 11.8-1	\$) 3.4- 1! 15.3	5.4- 18.2 [8.1 22.	- 22.3- 2 LONGER	TOTAL
99999999999999999999999999999999999999	i 32 17 32 10 104 . 102 	343 1447 1048 617 1647 685 1637 1235 1633 284	247 247 175 175 387 382	122375456	:		:	0177185807807896
4.50 - 4.99 5.00 + TOTAL	 28 298	1 13 633 284	30 17 382	34 23 156	85 159 39	 0 0	Ò	23
MEAN HS(M) = 3.16	LARGEST HS	6(M) = 7.09		TP(SEC)		NUMBER	OF CASES	= 1077
PHASE ALL/TORL PERCEN	3 ST. 74 PPROACH ANG! ON. START= INE ANGLE= T OCCURRENCE	20 YEAR 60.33N/124 10.33N/124 10.300 (0.60)				TICAL SUM ES)= 135 40.01N/1 10.00 DIRECTIO	MARY .0 - 164.9 24.35W METERS	
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8.1- 9.6: 9.5 10.	PERIOD	(SECOND 11.8-1	5) 3.4- 1	.4- 18.2 .8.1 22.	- 22.3- 2 LONGER	TOTAL
99??9999999999999999999999999999999999	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;		, 11.7 : : : :	13.3	15.3 .	d d	i conservation in the cons	05695100000
MEAN H\$(M) ≈ 1.58	LARGEST HS	S(M) = 2.85	MEAN	TP(SEC)	= 6.1	L NUMBER	CF CASES =	= 15
PHASE MAYE A LATAL SHORL PERCEN	3 ST. 74 PPROACH ANGI ON. START= 0 THE ANGIE = T OCCURRENCE	20 YEAR E(RELATIVE 10.33N/124 10.6300 OF				TICAL SUM EES)= 165 40.01N/1 = 10.00 DIRECTIO	MARY 0 - 180.0 24 35W METERS N	
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8.1- 9.6. 9.5 10.5	PERIOD	(SECOND	5) 3:4- 1	.4- 18.2 18.1 22.	- 22.3- 2 LONGER	TOTAL
99999999999999999999999999999999999999	: : : : : : : : : : . : . :	: : : : : : : : : : : : : : : : : : :						00000000000
MEAN HS(M) = 0.	LARGEST HS)(H) - V.	TEAN	TP(SEC)	= 0.	MUTIBER	OF CASES =	. 0





HIS STATION 74 (40.33N/ 124.35W TO 40.01N/ 124.35W) MONTH

	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E0090909090909090999	487-M-08044245-M-02-4-8M	หางกระทางการสาราชาการสาราชาการาชาการาชาการาชาการาชาการาชาการาชาการ	90474101175756652092	5899954からりられるののようの	かいこう・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	14747614607-14757687022546	5-68-65-65-2-68-7-68-7-68-7-68-7-68-7-68-7-68-7-68	היים ביים ביים ביים ביים ביים ביים ביים	58704589668146685869	06772402-600584222274	ดะเงงเกอสุทธเกากเกลเกลาเกราสาสุด เมาการการการการการการการการการการการการการ	09-67-939-69-407-4203-6420	1

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 74 (40.33N/ 124.35W 10 40.01N/ 124.35W)

HTHOM

MEAN 3.6 3.6 3.2 2.7 2.1 1.8 1.7 1.5 1.7 2.5 3.3 3.8

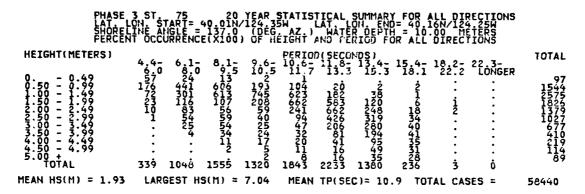
	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
7474747474567890125745 R6789012534567890125745 R97899999999999999	05002-15792007777045-k	67-1001-1000-10-1-1-1-1-1-1-1-1-1-1-1-1-1	001079100114775001470	760107777000000745000	MONAPARAMANAMANAMANAMANAMANAMANAMANAMANAMANAM	กระการแก้งสายการกระการกระการกระการกระการกระการกระการกระการกระการกระการกระการกระการกระการกระการกระการกระการกระก	สายเล่นสายเกราะสายเกราะสายเล่นสายเล่นสายเล่นสายเล่นสายเล่นสายเล่นสายเล่นสายเล่นสายเล่นสายเล่นสายเล่นสายเล่นสาย	ผลางเกาะกระบายการที่	いっているようのできることのできる。	4011466411447-41197-06976	พรงจะเจตางคงจะเจตางคงการการการการการการการการการการการการการก	716710277247970

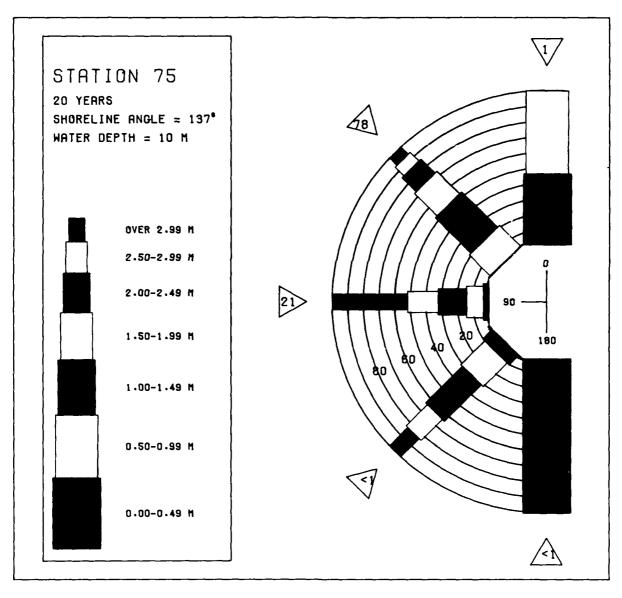
20 YR. STATISTICS FOR PACIFIC STATION 74 (40.33N/ 124.35M TO 40.01N/ 124.35M)

MEAN SIG	NIFICANT W	AVE HEIGHT			(METERS)	.2.6
MEAN SIG	QUENT 30.0	DEGRĖE (ČEŇI	PER) DIRECTION	BAND : :	(DEGREES)	90.0
STANDARD	DEVIATION DEVIATION	DEGRÉE (CENT OF WAVE HS OF WAVE TP		••••	(METERS)	1.2
LARGEST	WAVE HS	OF MAYE IF		: : : : :	METERS	2.6 -7.7
WAVE TO AVERAGE	DIRECTION	WITH LARGEST ASSOCIATED WI	MÁVÉ ÁS TH LARGEST HÁV S (YR,MO,DA,HR	Ė HS'.'.	(SECONDS)	16:7 87:8
AVERAGE DATE OF	LARGEST HS	OCCURRENCE 1	S (YR,MO,DA,HR	7		69121200

PHASE WAVE I AT. SHORE PERE	3 ST 75 APPROACH AI LON. START: LINE ANGEL LINE ANGER	20 YE NGLE(RELAT = 40,01N/1 = 137.0001	AR WAVE DI IVE TO SHO 24.35W (DEG. AZ.)	RECTION STA RELINE IN D LAT. LON. E WATER DEP AND PERIOD	TISTICAL SUI EGREES)= ND= 40.16N/ TH = 10.00 BY DIRECTION	MARY 0 - 14.9 124.25W METERS	
HEIGHT(METERS)				D(SECONDS) 11.8- 13.4 13.3 15.			TOTAL
0.50 - 0.49	4,4- 6, 160 8	1.0 8.1.5 9.5	9.6- 10\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	7.3.3 715. : :	- 15.4- 18.3 3 18.1 22	2 LONGER	160
99999999999999999999999999999999999999	:				:		Ŏ
2.50 - 2.99	:		: :		:		ŏ
99999999999999999999999999999999999999	:	•	: :		•	•	00000000
TOTAL MEAN HS(M) = 0.12)	Ö Ö	Ö Ö TP(SEC) =	-	Ò Ò R OF CASES =	•
(IEAN 13(11) - 0.12	LARGEST	<i>H3(H)</i> - 0	. JO TIEAN	77(326) -	4.7 NOTICE	COP CASES -	77
PHASE	3 ST . 75	20 YE	AR_WAYE_DI	RECTION STA	TISTIÇAL SU	MMARY 5.0 - 44.9	
HORE	LON. START	240.01N/1	Z4.35W	LAT. LON. E	TISTICAL SUI EGREES) = 1! ND= 40.16N/! TH = 10.00 BY DIRECTION	L24 25W	
HEIGHT(METERS)					- 15.4- 18.3 3 18.1 22		TOTAL
00 - 0.49	4.4-7 6.3 3860 20 1757 341 681 2257 61 6	1- 8.1- 7 9.5 7 349 7 349 7 71	9.6- 10.6- 10.5 11.7	13.3 15.	3 16.1 22	2- 22-3- 2 LONGER	-599
99999999999999999999999999999999999999	1681 225	343 71		; ;	:	: :	910015000 552810 5527
2.50 - 2.49 2.50 - 2.49 3.00 - 3.49	. 8		: :		:	• • •	915
3:50 - 3:99 4:00 - 4:49 4:50 - 4:99	:		: :		•		Ç
1.50 - 1.49 1.50 - 1.49 2.50 - 2.49 3.50 - 3.49 3.50 - 4.49 4.50 - 4.99 5.00 + 4.99 5.00 + 4.99 TOTAL MEAN HS(M) = 0.96	2885 654		ò ò	å å	-	ò ò	0
MEAN HS(M) = 0.96	LARGEST	HS(M) = 2	.76 MEAN	TP(SEC) =	6.7 NUMBER	R OF CASES =	5968
PHASE	3 ST. 75	20. YE	AR_WAYE_DI	RECTION STA	ŢĮSŢĮCAL SŲ	MARY	
PHASE WAVE LAT. SHORE	3 ST. 75 APPPOACH AN LON. START	GLE(RELAT 40.01N/1 = 137.0	AR WAVE DI IVE TO SHO 24.35W (DEG. AZ.)	RECTION STA RELINE IN D LAT. LON. E .MATER_DEP	TISTICAL SUI EGREES)= 4 ND= 40.16N/ TH = 10.00	MARY 5.0 - 74.9 124.25W METERS	
PHASE WAVE LAT SHORE PERCE HEIGHT(METERS)	3 ST 75 APPPOACH AN LONE START LINE ANGLE NT OCCURREN	20 YE GLE(RELAT = 40.01N/1 = 137.0 4CE(X1000)	AR WAVE DI IVE TO SHO 24.35W (DEG. AZ.) OF HEIGHT	RECTION STA RELINE IN D LAT. LON. E WATER DEP AND PERIOD D(SECONDS)	TISTICAL SUI EGREES] = 4 ND= 40.16N/ TH = 10.00 BY DIRECTION		TOTAL
HEIGHT(METERS)	3 ST. 75 APPPOACH AI LON STARL LINE ANGLE NT OCCURREI 4.4- 6.	PGLE(RELATION) = 40.01N/1 = 1.37000) NCE(X1000) 1- 8.1- 9 128	AR WAVE DI IVE TO \$110 24.35W OF HEIGHT 9.6-10.6- 10.5 11.7	RECTION STA RELINE IN D LAT. LON D HATER DEP AND PERIOD D(SECONDS) 11:8-13:4 13:3 15:3	TISTICAL SUI EGREES] = 44 ND= 40.16N/ TH = 10.00 By DIRECTION		
HEIGHT(METERS)	3 ST	20 YE *GLE(RELAT) = 40.01N/1 = 137.0 *VCE(X1000) 1- 8.1- 0 9.5 9 128 7 5701 1 5 740 7 4 886 7	AR WAVE SHO 24 350 AZ.) 24 6 6 1 116.7 9 10 45 1 145 1 145 1 1 1 1 1 1 1 1 1 1 1 1	RECTION STA RELINE IN E HATER DEP AND PEPIOD D(SECOND 3) 4 113.3 15.3 203 258 18820 1288	TISTICAL SUI EGREES)= 40.16N/ ND= 40.16N/ TH = 10.00 By DIRECTION - 15.4- 18.3 18.1 22		
HEIGHT(METERS)	3 ST ACL A APPROACH A APPROACH A MISTER ANISTELL	20 YET 20 E (RELAT = 40.01 N/1 = 40.01 N	AVE 35W AZGH 10-07 AVE 35W AZGH 10-07 AVE 16 - 6-10-07 AVE 10-07 AVE 10-0	RECTION STA RELINE IN DEPO LATINE ON SEPO HATER PRODO) 4 3 4 3 5 3 6 8 3 1 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1	TISTICAL SUI EGREES) = 44 ND = 40.16 M/ THY = 10.000 BY DIRECTION = 15.4-1 18.3 23 1633 1633 123 1633 23 1633 23 1633 23 1633 23		TOTAL 2275.66613 2270.8062 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
HEIGHT(METERS) 0.50 - 0.499 1.500 - 1.22.499 2.500 - 2.3.499 2.500 - 3.500 - 3.500 2.500 - 3.500 - 3.500	3 ST	20 YET 10 10 10 10 10 10 10 10 10 10 10 10 10 1	E	RECTION SN EPO RELINE ON EPO RELINE ON 5.5 RELINE TISTICAL SUI EGREES) = 44 ND = 40.00 T TH = 10.00 T BY DIRECTION - 15.4-18.3 213 18.3 213 18.		27566131 293089924 21729624	
HEIGHT(METERS)	3 ST . 75 APPPOACH ALONI. START LONI. START LINE ANGLE NT OCCURRED 4.4-6.0 98 176.97 46.37	20 YE RELATION 1 = 40 01N/1 = 13700 J NCE(X1000) J 1-8.1- 50 128 57 5701 17 57040 72 57 5740 72 57 5740 72 57 5741 17 57 5741 17 57 5741 17 57 5741 17 57 5741 17 57 5741 17 57 13242 12	ARVE SHO) TO 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RECTION IN EPO RELINE IN EPO RELINE IN EPO RELINE IN EPO AND PEPI 93.5 AND PEPI 93.5 20.5 20.5 20.5 20.5 20.5 20.5 20.5 20	TISTICAL SUI EGREES)= 40.16N/ TH = 10.000 By DIRECTION - 15.4-18.2 2133-18.4		
HEIGHT(METERS) 0.949 0.9499 1.500	4.4- 6.0 3.5 1.7 4.6 3.7 4.6 3.1 5.1 7.4 2.5 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8	PROPERTY OF THE PROPERTY OF TH	PER 10-7 10-7 10-8 10-8 10-8 10-8 10-8 10-8 10-8 10-8	D(SECOND 315 2888 7 1 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3	15.4-18.3 16.33 16.33 16.33 18.45 18		27566131851 22560924525 29508062685 92729551
HEIGHT(METERS) 0 0.49 0.50 - 0.49 1.500 - 12.99 2.500 - 2.99 3.500 - 3.99 3.500 - 3.99 4.500 - 4.99 5.00 - 4.99 TOTAL MEAN HS(M) = 1.96	4.4- 6.0 5 969 177 969 46 377 46 155 	1-0 8.1-5 9 12.6 9 5701 1 5 5700 1 5 5700 2 2 5700 2 2 5700 2 2 5700 2 2 5700 2 2 5700 2 3 700 2 3 700 2 4 12 42 12 4 12 42 12 4 13 44 2 12	PET 1:45007272721 1:450072727221 1:450072727221 1:450072727221 1:450072727221 1:45007272221 1:45007272221 1:45007272221 1:45007272221 1:45007272221 1:45007272221 1:45007272221 1:450072722221 1:450072727221 1:4500727221 1:4500727221 1:4500727221 1:45007221 1:45	D(SECONDS) 3 3 2580971 13 3 3 2025 18220 1 25220 1 25220 1 25220 1 25220 1 25220 1 25220 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- 15.4- 18.3 18.1 22 23.3 18.3 18.3 18.3 18.3 18.3 18.3 18.3 1	2- 22.3- 2- LONGER 5 5 6 7- 0 8- OF CASES =	27566131851 22560924525 29508062685 92729551
HEIGHT(METERS) 0 0.49 0.50 - 0.49 1.500 - 12.99 2.500 - 2.99 3.500 - 3.99 3.500 - 3.99 4.500 - 4.99 5.00 - 4.99 TOTAL MEAN HS(M) = 1.96	4.4- 6.0 5 969 177 969 46 377 46 155 	1-0 8.1-5 9 12.6 9 5701 1 5 5700 1 5 5700 2 2 5700 2 2 5700 2 2 5700 2 2 5700 2 2 5700 2 3 700 2 3 700 2 4 12 42 12 4 12 42 12 4 13 44 2 12	PET 1:45007272721 1:450072727221 1:450072727221 1:450072727221 1:450072727221 1:45007272221 1:45007272221 1:45007272221 1:45007272221 1:45007272221 1:45007272221 1:45007272221 1:450072722221 1:450072727221 1:4500727221 1:4500727221 1:4500727221 1:45007221 1:45	D(SECONDS) 3 3 2580971 13 3 3 2025 18220 1 25220 1 25220 1 25220 1 25220 1 25220 1 25220 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- 15.4- 18.3 18.1 22 23.3 18.3 18.3 18.3 18.3 18.3 18.3 18.3 1	2- 22.3- 2- LONGER 5 5 6 7- 0 8- OF CASES =	27566131851 22560924525 29508062685 92729551
HEIGHT(METERS) 0 0.49 0.50 - 0.499 1.500 - 12.949 2.500 - 2.949 3.500 - 3.499 3.500 - 3.499 5.00 + 449 TOTAL MEAN HS(M) = 1.96 PHASE HAVE FERCE	4.4- 6.0 5 969 177 969 46 377 46 155 	1-0 8.1-5 9 12.6 9 5701 1 5 5700 1 5 5700 2 2 5700 2 2 5700 2 2 5700 2 2 5700 2 2 5700 2 3 700 2 3 700 2 4 12 42 12 4 12 42 12 4 13 44 2 12	PET : 1-8587272721 PET : 1-8587272721 1 022835737221 1 02283573221 1 0228573221 1 0228573221 1 0228573221 1 0228575722	D(SECOND 31 1 1 2000 7 1 1 3 3 3 1 1 1 3 3 3 1 1 1 3 3 3 1 1 4 4 1 2 1 2 3 2 1 3 2 1 3 3 2 1 3 3 2 1 3 3 2 1 3 3 2 1 3 3 2 1 3 3 2 7 2 2 1 6 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0	15.4-18.3 18.3 18.3 18.3 18.3 18.3 18.3 18.3	2- 22.3- 2- LONGER 5 5 6 7- 0 8- OF CASES =	22756661371851 22756661371851 22766609245525 702762685 2111 4
HEIGHT (METERS) 0 0.99 1.500 - 0.949 1.500 - 1.2.949 2.500 - 2.949 3.500 - 4.99 4.500 - 4.99 TOTAL MEAN HS(M) = 1.96 PHASE LAT. SHORE PERCE HEIGHT (METERS)	4.4-6.8 9.89 177 9.89 177 9.89 178 9.89 179 9.89 189 9.99 189 9.99 189 9.99 189 9.99 189 9.99 189 9.99 189 9.99 189 9.99	1- 8.1- 1.28 1.28 1.28 1.28 1.28 1.28 1.37 1.32 1.37 1.32 1.37 1.32 1.37 1.32 1.37 1.32 1.37 1.32 1.37 1.32 1.37 1.32 1.37 1.32 1.37 1.32 1.37 1.32 1.37 1.32 1.3	PET : 1-8587272721 PET : 1-8587272721 1 022835737221 1 02283573221 1 0228573221 1 0228573221 1 0228573221 1 0228575722	D(SECONDS) 3 3 2580971 13 3 3 2025 18220 1 25220 1 25220 1 25220 1 25220 1 25220 1 25220 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	15.4-18.3 18.3 18.3 18.3 18.3 18.3 18.3 18.3	2- 22.3- 2- 22.3- 3- 10.4-9 3- 10.4-9 11.4-25.6- 11.4-2	2275666 2075666 20756666 20756060245251 20756060531 207560605050531 20756060531 20756060531 20756060531 20756060531 2075606053
HEIGHT (METERS) 0 0.99 1.500 - 0.949 1.500 - 1.2.949 2.500 - 2.949 3.500 - 4.99 4.500 - 4.99 TOTAL MEAN HS(M) = 1.96 PHASE LAT. SHORE PERCE HEIGHT (METERS)	4.4-6.8 9.89 177 9.89 177 9.89 178 9.89 179 9.89 189 9.99 189 9.99 189 9.99 189 9.99 189 9.99 189 9.99 189 9.99 189 9.99	1 - 8 .1 - 5 7 5740 17 5 740 2 5 740 2 5 740 2 6 8865 2 7 13242 12 HS(M) = 7 NGLE(ROIN/1 NGLE(XIO00) NGLE(XIO00) 1 - 8 .1 - 5 1 -	PEO 1-1858727772215 PEO 1-1858727772215 1 0428757772215 1 04287577772215 1 04287577772215 1 04287577772215 1 04287577772215 1 04287577772215 1 0428757772215 1 04287577772215 1 042875777772215 1 042875777772215 1 042875777772215 1 04287577777772215 1 04287577777777777777777777777777777777777	D(SECONDS) 4 3588971 288971 3 1 3 8 3 1 2 3 2 4 4 7 4 7 4 7 2 3 2 1 3 8 3 1 7 8 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3	15.4-18.3 16.3-12.2 16.3-12.3 16.3-12.3 16.3-12.3 16.3-12.3 16.3-12.3 16.3-12.3 16.3-12.3 16.3-12.3 16.3-12.3 16.3-13.3	2- 22.3- 2- 22.3- 3- 10.4-9 3- 10.4-9 11.4-25.6- 11.4-2	227566613318851 20256669245525 202572955318551 48740
HEIGHT (METERS) 0 0.99 1.500 - 0.949 1.500 - 1.2.949 2.500 - 2.949 3.500 - 4.99 4.500 - 4.99 TOTAL MEAN HS(M) = 1.96 PHASE LAT. SHORE PERCE HEIGHT (METERS)	4.4-6.8 9.89 177 9.89 177 9.89 178 9.89 179 9.89 189 9.99 189 9.99 189 9.99 189 9.99 189 9.99 189 9.99 189 9.99 189 9.99	1 - 8 .1 - 5 7 5740 17 5 740 2 5 740 2 5 740 2 6 8865 2 7 13242 12 HS(M) = 7 NGLE(ROIN/1 NGLE(XIO00) NGLE(XIO00) 1 - 8 .1 - 5 1 -	PEO 1-1858727772215 PEO 1-1858727772215 1 0428757772215 1 04287577772215 1 04287577772215 1 04287577772215 1 04287577772215 1 04287577772215 1 04287577772215 1 0428757772215 1 04287577772215 1 04287577772215 1 04287577772215 1 0428757772215 1 04287577772215 1 042875777772215 1 042875777772215 1 0428757777772215 1 04287577777777777777777777777777777777777	D(SECONDS) 4 3588971 288971 3 1 3 8 3 1 2 3 2 4 4 7 4 7 4 7 2 3 2 1 3 8 3 1 7 8 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3	15.4-18.2 233 12 1835 12 1835 12 1835 12 1836 12 1836 12 2368 5 11.5 NUMBER 11.5 NUMBER	2- 22.3- 2- 22.3- 2- 20.00 ER 3- 0 3-	2275666 2275666 2275666 2275666 227528 22752
HEIGHT (METERS) 0 0.99 1.500 - 0.949 1.500 - 1.2.949 2.500 - 2.949 3.500 - 4.99 4.500 - 4.99 TOTAL MEAN HS(M) = 1.96 PHASE LAT. SHORE PERCE HEIGHT (METERS)	4.4-0 6.8 3.79 9.99 9.99 9.99 9.99 9.99 9.99 9.99	1 - 8 .1 - 5 7 5740 17 5 740 2 5 740 2 5 740 2 6 8865 2 7 13242 12 HS(M) = 7 NGLE(ROIN/1 NGLE(XIO00) NGLE(XIO00) 1 - 8 .1 - 5 1 -	PEO 1-1858727772215 PEO 1-1858727772215 1 0428757772215 1 04287577772215 1 04287577772215 1 04287577772215 1 04287577772215 1 04287577772215 1 04287577772215 1 0428757772215 1 04287577772215 1 04287577772215 1 04287577772215 1 0428757772215 1 04287577772215 1 042875777772215 1 042875777772215 1 0428757777772215 1 04287577777777777777777777777777777777777	0 11 3 358087741258047 1 2808774125804 2 2 35808774125804 2 2 3580874147473813 2 3580874147473813 2 3580874147473813 2 35808741474781 2 35808741474781 2 3580874147482 2 358087482 2 3580874147482 2 3580874147482 2 3580874147482 2 3580874147482 2 3580874147482 2 3580874147482 2 3580874147482 2 3580874147482 2 3580874147482 2 3580874147482 2 3580874147482 2 3580874147482 2 3580874147482 2 3580874147482 2 3580874147482 2 3580874147482 2 3580874147482 2 3580882 2 358087482 2 358087482 2 358087482 2 358087482 2 358087482 2 358087482 2 358087482 2 358087482 2 358087482 2 358087482 2 358	15.4-18.2 18.3-18.2	2- 22.3- 2- 22.3- 5.0- 6.0- 7.0- 104.9- 1164.25W 1164.25W 1164.25W 1164.25W 1164.25W 1164.25W	2275666 2275666 2275666 2275666 227528 22752
HEIGHT (METERS) 0.50 - 0.49 1.500 - 12.349 1.500 - 12.349 2.500 - 3.49 3.500 - 3.49 4.50 - 4 5.00 - 4 MEAN HS(M) = 1.96 PHASE WAVE SHORE FERCE HEIGHT (METERS)	4.4-0 6.8 39.697.2 9.6	1 - 8 .1 - 5 7 5740 17 5 740 2 5 740 2 5 740 2 6 8865 2 7 13242 12 HS(M) = 7 NGLE(ROIN/1 NGLE(XIO00) NGLE(XIO00) 1 - 8 .1 - 5 1 -	PET : 1-8587272721 PET : 1-8587272721 1 022835737221 1 02283573221 1 0228573221 1 0228573221 1 0228573221 1 0228575722	0 1 1 3 5 6 8 9 7 1 1 2 6 6 8 9 7 1 1 2 8 9 9 7 1 1 2 8 9 9 7 1 1 2 8 9 9 7 1 1 2 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	15.4-18.3 1	2- 22.3- 2- 22.3- 3- 0.5 3-	2275666 2075666 20756666 20756060245251 20756060531 207560605050531 20756060531 20756060531 20756060531 20756060531 2075606053

PHASE WAVE A LATE SHORE PERCEN	3 ST. 75 PPROACH AN ON. START= INE ANGLE T OCCURREN	3LE(RELA 40.01N/ 137.0 E(X1000					TICAL EES)= 40.16 = 10.0 DIREC	SUMMAR 105.0 N/124 0 MET TION	Y - 134.9 25W ERS	
HEIGHT(METERS)	4,4- 6,1 6,0 6.1	6,1 ₋	9.6- 10.5	PERIOD !	SECOND 1.8- 1 13.3	5) 3.4- 1	5.4- 1 18.1	8.2- 2 22.2	2.3- LONGER	TOTAL
- 0.49 - 0.499 - 0.499 - 1.2299 - 1.2299 - 2.3349 - 2.33499 - 2.33499	3	•	:	:	13.3	:	:		:	3
1.50 - 1.99 2.00 - 2.49	\$ 32 63 107 13 104	10 37	i	•	•	:	:	:	•	13 74 208
2.50 - 2.99 3.00 - 3.49 3.50 - 3.99	\$ 32 63 1074 13 1095 . 20	\$07 13532	i 3151	6	•	•	•	:	•	172 141 54
4:00 - 4:49 4:50 - 4:99	i	:	•	:	:	•	:	:	•	30348214200 170745 21145
TOTAL	116 362	171	1i	7			Ò		Ó	_
MEAN HS(M) = 2.63	LARGEST 1	15(M) =	4.32	MEAN	TP(SEC)	= 7.	2 NUM	BER OF	CASES =	397
PHASE WAYE A LATOREL SHOREL PERCEN	3 ST. 75 PPROACH AN ON. START= INE ANGLE T OCCURREN	GLE(RELA 40.01N/ = 137.0 CE(X1000					TICAL EES)= 40.16 = 10.0 DIREC	SUMMAR 135.0 N/124. 0 MET TION	Y - 164.9 25W ERS	
HEIGHT(METERS)	4,40 61 50 81	8 9 1 - 9 . 5	9.6- 10.5	PERIOD	SECOND 13.3	5) 3,4- 1 153-7	5.4- 1 18.1	8,2- 2	2.3- LONGER	TOTAL
		:	:	:	:	:	:	:	:	, 1
	1 · · · · · · · · · · · · · · · · · · ·	:	:	:	:	:	:	:	:	23
2.50 - 2.99 3.00 - 3.49 3.50 - 3.99	1 3	:	:	:	:	:	:	:	:	3
4100 - 4149 4150 - 4199 5100 +	:	•	•	:	•	:	:	:	:	12 12
TOTAL	45 4		Ò	Ò	Ö FP(SEC)	Ò	Ö - LR194	Ö BED OF	Ö Cases =	31
MEAN HS(M) = 1.60	LARGEST	15(11) -	3.10	PIEAR	ורו שבט	= 5.	יוטא כ	IBER UF	CASES -	21
PHASE WAYE A LAT. SHOREL PERCEN	3 ST. 75 PPROACH AN ON. START= THE ANGLE T OCCURREN	GLE(RELA 40.01N/ 137.00 E(X1000					TICAL EES)= 40.16 = 10.0 DIREC	SUMMAR 165.0 N/124. 0 MET TION	Y - 180.0 250 ERS	
HEIGHT(METERS)	4,4- 6,1 18 8:	8.1-	9.6- 10.5	PERIOD	SECOND:	§) 3,4~ 1	5.4- 1 18.1	8,2- 2	2.3- LÖNGER	TOTAL
0.50 - 0.49 0.50 - 0.99 1.50 - 1.49 2.50 - 2.49	iė :	:	:	:		:	:	:	·	18 0
1:50 - 1:99 2:00 - 2:49	: :	:	:	:	:	:	:	:	:	ŏ
99999999999999999999999999999999999999	: :	:	:	:	:	•	:	:	:	000
99999999999999999999999999999999999999	: :	:	•	•	•	•	:	:	•	100000000000000000000000000000000000000
TOTAL MEAN HS(M) = 0.11	18 Ö LARGIST	0	0 25	Ó MEAN '	Ó TP(SEC)	ó = 4.	Ö 4. kn sw	Ö BED NE	Ö CASES =	11
712AB 83(B) - U.11	LARGIST	13(11) =	V.E5	HEAN	iri JEG J	- 4.	o non	DER UF	UMSES =	11





WIS STATION 75 (40.01N/ 124.35W TO 40.16N/ 124.25W)

HTHOM

	JAN	FEB	MAR	APR	MAY	HUL	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	Pourous and and and and and and and and and and	การอยาสายการการการการการการการการการการการการการก	ณะเกรายการการการการการการการการการการการการการก	7040977779955555-1-1-2155	66446M-4704M00M94M704	האומים ביים ביים ביים ביים ביים ביים ביים ב	992009904020102083211	10101010101010101111100	מהאוהסים אל המשום של האוה משום האוה משום של האוה משום האוה משום האוה משום האוה משום האוה משום האוה משום האוה משום האוה משום האוה משום האוה משום האוה משום האוה משום האוה משום המשום האוה משום האוה משום המשום האוה משום האוה משום האוה משום המשום האוה משום המשום ה	40.69.6.60.4.60.40.61.61.61.61.61.61.61.61.61.61.61.61.61.	ゆっとうこうとうこうこうこうこうこうこうこうこうこうこうこうこうこうこうこうこうこ	พอดาจจะกองเขาของเขาของเขา	M 1011111100000000000000000000000000000
MEAN	2.9	2.9	2.4	1.9	1.4	1.2	1.1	1.0	1.2	1.8	2.5	3.0	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 75 (40.01N/ 124.35W TO 40.16N/ 124.25W)

MONTH

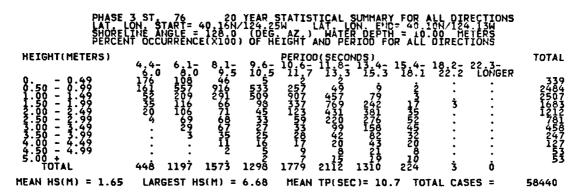
YEAR 1956 5.0 5.4 3.4 3.2 2.2 2.3 1.5 1.6 1.8 3.5 3.17 1956 5.1 6.4 4.3 5.2 2.1 1.6 2.2 2.0 1.6 3.5 4.6	3 7
10437-0002-69-23-147-02-00 1057-9-104-6-10-00-77-77-21-6 10543-07-105-6-7-80-21-57-20 10543-07-105-6-7-80-21-57-20 10543-07-105-6-7-80-21-57-20 10543-07-105-105-105-105-105-105-105-105-105-105	หา4444666654647546566

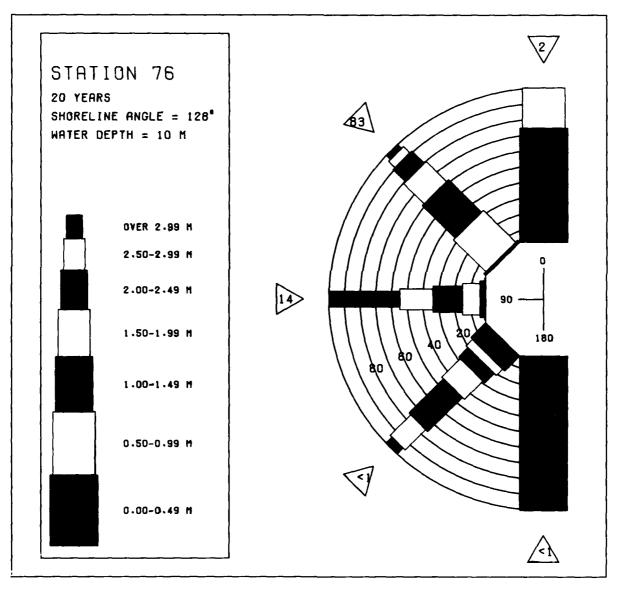
20 YR. STATISTICS FOR PACIFIC STATION 75 (40.01N/ 124.35W TO 40.16N/ 124.25W)

MEAN SIGNIFICANT HAVE HEIGHT (METERS)	1.9
MEAN PÉAK MÁVE PERTÓD (SECTION (SECTION BAND (SECTION) (SECTION BAND (DEGREES)	10.9 60.6
MUSI FREQUENT 30.0 DEGREE (LENTER) DIRECTION BAND [DEGREES]	60.0
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	2.5
LARGEST HAVE US (METERS)	,7.Q
STANDARD DEVIATION OF WAVE TP LARGEST WAVE HS LARGEST WAT HS LARGEST WAT HS LARGEST WAT HS LARGEST WAT HS LARGEST WAT HS LARGEST WAT HS LARGES	7 8:6
AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	69121209

PHASE WAVE LAT SHORE SERVE	3 ST APPROACH A LON. START LINE ANGLE NT OCCURRE	20 YE NGLE(RELAT = 40.16N/] = 128.0	AR WAVE TIVE TO 124.25W (DEG. A)	DIRECTION SHORELINE LAT LO Z) WATER	STATIST IN DEGRE IN END= DEPIH =	ICAL SUMM ES)= 0 40.10N/12	ARY 4.13W ETERS	
HEIGHT(METERS)				RIOD(SECON 1.7 13.3				TOTAL
0 0.49	4.4- 6 242 8	1- 8,1- 0 9.5	9,6- 10	i 7 13.3	15.3 1	8.1 22.2	LONGER	242
99999999999999999999999999999999999999	:	: :	•		•	: :	•	0
2.50 - 2.49 2.50 - 2.49 3.00 - 3.49	:	: :	:	: :	•	: :	:	00000000
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99 5.00 +	:	· :	•	: :	•	: :	: :	Ŏ
TOTAL		o o	Ö	ô ĉ	Ö	Ò Ò	Ġ	•
MEAN HS(M) = 0.11	LARGEST	HS(M) = 0	0.37 M	EAN TP(SEC	:) = 4.8	NUMBER	OF CASES =	142
PHASE WAYE	APPROACH A LON. START LINE ANGLE NT OCCURRE	NGLE (RELA)	EAR WAVE	DIRECTION	STATIST	ICAL SUMM	ARY 0 - 44.9	
ŠĤÓŔE PERCEI	LÎNE ANGLE	- 128 0 NCE(X1000)	(DEG. A	Z.) LANATER SHT AND PE	DEPTH =	DIRECTION	ĒtĒŘŠ	
HEIGHT(METERS)	4,4- 6,	1- 8,1-	9.6- 10 10.5 1	RIOD(SECON 6.7 13.3	DS) 13.4- 15	4- 18,2-	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	4.4- 6.8 1454 104 1572 502 386 157	1 - 8 · 1 - 5 · 6 · 6 · 5 · 6 · 6 · 6 · 6 · 6 · 6 ·	:	: :	15.3 1	: ::	LUNGER :	2585 7415
1.00 - 1.49 1.50 - 1.49 2.00 - 2.49		2 2 3 5 2 3 5	•		•	: :	•	2542494860006
2.50 - 2.99 3.50 - 3.99 3.50 - 3.99	•	6 . : :	:	: :	•	: :	•	80
	•	•	•	: :	:	: :	:	000
TOTAL MEAN HS(M) = 0.79	3461 808 LARGEST	3 1229 HS(M) = 2	0 2.98 MI	Ó Ó EAN TP(SEC	0) = 6.8	Ó Ó NUMBER	0 DF CASES =	7473
PHASE WAYE SHORE	3 ST 76 APPROÁCH A LON. START LIME ANGLE IT OCCURRE	20 YE NGLE(RELA) = 40.16N/1 = 128.0 NCE(X1000)	EAR WAVE TIVE TO 124.25W (DEG. A) OF HEI	DIRECTION SHORELINE LAT LO Z.) WATER	STATIST IN DEGRE N. END= DEPTH = RIOD BY	ICAL SUMM ES)= 45. 40.10N/12 10.00 M DIRECTION	ARY 0 - 74.9 113W ETERS	
PHASE WAVE LAT SHORE PERCE HEIGHT(METERS)	3 ST 76 APPROACH A LON. START LINE ANGLE TOCCURRE	20 YE NGLE(RELA) = 40.160/1 = 1260/1 NCE(X1000)	FAR WAVE TIVE TO 124.25W (DEG. A OF HEI 9.6- 10	DIRECTION SHORELINE Z.) WATER SHT AND PE RIOD(SECON	STATIST IN DEGRE N. END= DEPTH = RIOD BY	ICAL SUMM ES) = 45. 40.10N/12 10.00 M DIRECTION	ARY 74.9 0 - 74.9 13W ETERS	TOTAL
HEIGHT(METERS)	3 ST 76 APPROACH A LON. START LINE ANGLE IT OCCURRE 4.4- 6 6.0 6	NGLE(RELA) = 40:16N/1 = 128:0 NCE(X1000)	EAR WAVE [IVE 70 124-25W (DEG A) OF HEI 9.6-10 10.5	DIRECTION SHORELINE Z.) WATER SHT AND PE RIOD(SECON 16-11303	STATIST IN DEGRE DEPTH = RIOD BY DS) 13,4-15	TCAL SUMM ES)= 45, 40,10N/12, 10,00 M DIRECTION 4- 18,2- 8,1 22.2	ARY 74.9 0 - 74.9 ETERS	
HEIGHT(METERS)	3 ST . 76 APPROACH A LON. START LINE ANGLE LINE ACCOURRE 4.4-6 6:0 3 11 54 104 43	NGLE (X1600) 1-84121000) 1-84121000) 1-84121000) 1-841210000	EAR WAVE [14 25 W 124 25 W (DEG. A 0 OF HEI 9.6- 1 10.5 1 5358 25 5097 90 975 33	DIRECTION SHORELINE LAT LO SHT AND PE RIOD (SECON 6- 11.8.3 1.2.3 1.3.3	STATIST STATIST STATIST DEPTH DEPTH = RIOD BY 013.4.3 15 15.3.15 15.3.15 17.922 2423 13	TCAL SUMM E5)= 45; 40:10N/12; DIRECTION 8:1 22:2 8:1 22:2 3:2 38 7:57 38	ARY 74.9 0 - 74.9 4.13W ETERS 22.3- LONGER :	
HEIGHT(METERS)	3 ST . 76 APPROACH A LON. START LINE ANGLE 1T OCCURRE 4.4-6 6 6:0 6 11 54 147 423 104 433 11 16	YET YET YET YET YET YET YET YET YET YET	AR WAVE 17 25 WAVE 12 25 WAVE 12 25 WAVE 12 25 WAVE 10 0 F F F F F F F F F F F F F F F F F F	DIRECTION SHORELINE LOS SHORELINE br>SHORELINE LOS SHORELINE LOS SHORELINE LOS SHORELINE LOS SHORELINE SHORELINE LOS SHORELINE LOS SHORELINE SHORELINE LOS SHORELINE	ST DENTH B ST DEN	TCAL SUMM 445.2 45.1 100 N 100	ARY 74.9 0 - 74.9 4 13W 22.3- LONGER :	TOTAL 541615447 7461501706477 121516477
HEIGHT(METERS)	3 ST	YENO OLNO ORAG	AR E 25 HE ELO 25 1 1 5 2 5 3 2 5 2 5	ON ON ON ON ON ON ON ON ON ON ON ON ON O	STE = 51 136432 1 168 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SUMM. 52.2.38463	ARY 74.9 0 - 74.9 4 13W 22.3- LONGER	5411 54165 17465 17665 116647 177
HEIGHT (METERS)	4.4-6 6 8 3 4 1 5 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 9 1 5 94 9 3 3 6 1 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9.6-5 1. 10.5 1. 15.6 2. 15.6	RIOD (SECON 6-7 13.05.77 1.57 457.77 1.57 457.77 1.57 457.50 1.57	05315 151 1532 153 154057755 432 24805775755 432 1119 25321 1219 25321 1219 25321 1219	22.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	22.3- LONGER : : : : : : : :	415447711049 4168817742115 54670647852 72151631
HEIGHT(METERS)	4.4-6 6 8 3 4 1 5 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	YELE (RELANDER CONTROL OF CONTROL	9.6-5 1. 10.5 1. 15.6 2. 15.6	RIOD (SECON 6-7 13.05.77 1.57 457.77 1.57 457.77 1.57 457.50 1.57	05315 151 1532 153 154057755 432 24805775755 432 1119 25321 1219 25321 1219 25321 1219	22.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	ARY 74.9 0 - 74.9 4 13W 22.3- LONGER : : : : : 0	415447711049 4168817742115 54670647852 72151631
HEIGHT (METERS) 0.50 - 0.499 1.500 - 12.949 2.500 - 22.949 2.500 - 23.99 3.500 - 34.99 4.500 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 6	4.4-6 6 8 34 54 54 54 54 54 54 54 54 54 54 54 54 54	1 - 8 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9	9.6-5 10 10.5-5 25 33.56 25 33.56 25 33.56 25 33.56 25 33.56 25 33.56 15 33.56 15 34.56 15 35 35 35 35 35 35 35 35 35 35 35 35 35	RIOD (SECON 6-7 11 29775 6-7 12 45775 6-7 772 75900 772 75900 774 75900 775 759	0535 151 155 155 155 155 155 155 155 155 15	-2 2 2 3 8 4 8 3	22.3- LONGER : : : : : : : : : : : : : : : : : : :	415447711049 4168817742115 54670647852 72151631
HEIGHT (METERS) 0.50 - 0.499 1.500 - 12.949 2.500 - 22.949 2.500 - 23.99 3.500 - 34.99 4.500 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 6	4.4-6 6 8 34 54 54 54 54 54 54 54 54 54 54 54 54 54	1 - 8 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9	9.6-5 10 10.5-5 25 33.56 25 33.56 25 33.56 25 33.56 25 33.56 25 33.56 15 33.56 15 34.56 15 35 35 35 35 35 35 35 35 35 35 35 35 35	RIOD (SECON 6-7 11 29775 6-7 12 45775 6-7 772 75900 772 75900 774 75900 775 759	0535 151 155 155 155 155 155 155 155 155 15	-2 2 2 3 8 4 8 3	22.3- LONGER : : : : : : : : : : : : : : : : : : :	415447711049 4168817742115 54670647852 72151631
HEIGHT (METERS) 0.50 - 0.499 1.500 - 12.949 2.500 - 22.949 2.500 - 23.99 3.500 - 34.99 4.500 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 6	4.4-0 6 8 3 4 4 7 4 7 4 7 4 7 4 7 1 1 1 1 6 4 7 1 7 6 2 1 7 7 6 2 1 7 7 6 2 1 7 7 6 2 1 7 7 6	8 9 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	9.6-5 10 10.5-5 25 10.5-5	7100 (\$ECON. 6-7 1 1 3 2 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4-1 18 2 2 3 8 4 6 3 3 6 6 7 8 5 6 7 8 5 6 7 7 5 6 6 7 7 5 6 6 7 7 7 7 7 7 7 7	22.3- LONGER : : : : 0 OF CASES =	415447711049 4168817742115 54670647852 72151631
HEIGHT (METERS) 0 0.49 1.50 - 1.249 1.500 - 1.249 2.500 - 2.449 3.50 - 3.499 4.50 - 4.99 5.00 - 4.99 FINAL MEAN HS(M) = 1.69 PHASE WAYE SHORE PERCEL HEIGHT (METER -)	4.4-0 6 8 34 54 54 54 54 54 54 54 54 54 54 54 54 54	8 9 1 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9.6-5 10 10.5-5 25 10.5-5	RIOD (SECON 6-7 11 29775 6-7 12 45775 6-7 772 75900 772 75900 774 75900 775 759	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-2 2 2 3 8 4 8 3	22.3- LONGER : : : : 0 OF CASES =	74415444 122716647711104 722711667772115 227116677721169 47156
HEIGHT (METERS) 0 0.49 1.50 - 1.249 1.500 - 1.249 2.500 - 2.449 3.50 - 3.499 4.50 - 4.99 5.00 - 4.99 FINAL MEAN HS(M) = 1.69 PHASE WAYE SHORE PERCEL HEIGHT (METER -)	4.4-0 6 8 34 54 54 54 54 54 54 54 54 54 54 54 54 54	8 9 1 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9.6-5 10 10.5-5 250 9.75-3336 9.75-3336 15.3356 9.75-3336 15.3356 15.3	RIOD (\$1.3.2.7.7.5.0 (\$1.3.2.7.7.5.0 (\$1.3.2.7.7.5.7.5.0 (\$1.3.2.7.7.5.0 (\$1.3.2.7.7.5.0 (\$1.3.2.7.7.5.0 (\$1.3.2.7.7.5.0 (\$1.3.2.7.7.5.0 (11 135432 22 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6	4-1 18 2 2 3 8 4 6 3 3 6 6 7 8 5 6 7 8 5 6 7 7 5 6 6 7 7 5 6 6 7 7 7 7 7 7 7 7	22.3- LONGER : : : : 0 OF CASES =	74415444 122716647711104 722711667772115 227116677721169 47156
HEIGHT (METERS) 0 0.49 1.50 - 1.249 1.500 - 1.249 2.500 - 2.449 3.50 - 3.499 4.50 - 4.99 5.00 - 4.99 FINAL MEAN HS(M) = 1.69 PHASE WAYE SHORE PERCEL HEIGHT (METER -)	4.4-0 6 8 34 54 54 54 54 54 54 54 54 54 54 54 54 54	8 9 1 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9.6-5 10 10.5-5 250 9.75-3336 9.75-3336 15.3356 9.75-3336 15.3356 15.3	RIOD (\$1.3.2.7.7.5.0 (\$1.3.2.7.7.5.0 (\$1.3.2.7.7.5.7.5.0 (\$1.3.2.7.7.5.0 (\$1.3.2.7.7.5.0 (\$1.3.2.7.7.5.0 (\$1.3.2.7.7.5.0 (\$1.3.2.7.7.5.0 (11 135432 22 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6	4-1 18 2-2 38 38 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	22.3- LONGER : : : : 0 OF CASES =	74415444 122716647711104 722711667772115 227116677721169 47156
HEIGHT (METERS) 0 0.49 1.50 - 1.249 1.500 - 1.249 2.500 - 2.449 3.50 - 3.499 4.50 - 4.99 5.00 - 4.99 FINAL MEAN HS(M) = 1.69 PHASE WAYE SHORE PERCEL HEIGHT (METER -)	4.4-0 6.3 147 104 451 104 451 176 217 LARGEST 176 217 LARGEST 176 217 176 217	8 9 1 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9.6-5 10 10.5-5 250 9.75-3336 9.75-3336 15.3356 9.75-3336 15.3356 15.3	RIOD (\$1.3.2.7.7.5.0 (\$1.3.2.7.7.5.0 (\$1.3.2.7.7.5.7.5.0 (\$1.3.2.7.7.5.0 (\$1.3.2.7.7.5.0 (\$1.3.2.7.7.5.0 (\$1.3.2.7.7.5.0 (\$1.3.2.7.7.5.0 (11 135432 22 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6	- 18 2 2 2 3 3 4 4 3 3 4 6 3 3 4 6 3 3 4 6 3 3 4 6 3 3 4 6 3 3 4 6 3 3 4 6 3 3 4 6 3 3 4 6 3 4 6 3 4 6 1 6 2 4 6 1 6 2 2 2 2 2 4 6 1 6 2 2 2 2 2 4 6 1 6 2 2 2 2 4 6 1 6 2 2 2 2 4 6 1 6 2 2 2 2 4 6 1 6 2 2 2 2 4 6 1 6 2 2 2 2 4 6 1 6 2 2 2 2 4 6 1 6 2 2 2 2 4 6 1 6 2 2 2 2 4 6 1 6 2 2 2 2 4 6 1 6 2 2 2 2 6 6 6 1 6 6 1 6 2 2 2 2 6 6 6 6	22.3- LONGER : : : : 0 OF CASES =	74415444 122716647711104 722711667772115 227116677721169 47156
HEIGHT (METERS) 0.499 1.799 1.799 1.799 1.799 1.799 1.799 1.799 1.790 1.799 1.799 1.790 1.799 1	4.4-0 6.3 147 104 451 104 451 176 217 LARGEST 176 217 LARGEST 176 217 176 217	1 361099435 · 0 = 1470 0 1 5 3562641670	9.6.5 25033152338 25033152338 25033152338 25033152338 25033152338 25033152338 2503315233152331523315233152331523315233	7100 (\$ECON. 6-7 1 1 3 2 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2-2 38463 36463 36672363 36463 3667236 3667236 366	22.3- LONGER : : : : 0 OF CASES =	541618447111049 7225116477111049 7275116477115

PHASE WAYE A Lat Shorel Percen	3 ST 76 PPROACH AN ON START= INE ANGLE T OCCURREN	GLE(REL) 40.16N, = 128.0 CE(X100)								
HEIGHT(METERS)	4,4- 6,1 6,0 8.	ō 891.5	9.6- 10.5	PERIOD 10.6-7	(SECOND 11.8- 1 13.3	\$) 3.4- 1 15.3	5.4~ 1 18.1	18.2- 2 22.2	2 3- LÓNGER	TOTAL 6
- 0 1 9999999999999999999999999999999999	63 i 422 30 102 30 118 106 29 136 . 53	· 5385011 ·	•	•	:	•	:			6425003216 533776 121
5:00 + 4.99 TOTAL	 300 333	32	Ò	Ö	Ö	Ö	Ö	Ö	Ö	Õ
MEAN HS(M) = 2.28	LARGEST	HS(M) =	4.05	MEAN	TP(SEC)	= 6.	3 NUI	1BER OF	CASES =	394
PHASE WAYE A Latorel Shorel Percen	3 ST. 76 PPROACH AN ON. START= INE ANGLE T OCCURREN	GLE(REL) 40.16N = 128.0 CE(X100					TICAL EES)= 40.1(= 10.0	SUMMAR 135.0 N/124 0 MET TION	Y - 164.9 13W ERS	
HEIGHT(METERS)	4.4~ 6.1 6.0 8.	5 8 1- 0 9.5	9.6- 10.5	PERIOD 10,6-	(SECOND 11.8- 1 13.3	5) 3,4- 1	.5.4- 1 18.1	8,2- 2	2.3- LONGER	TOTAL
0.999999999999999999999999999999999999	4.4-0 6.1 56 8. 225 6 11	v 7.5		:	:		:	:	: : : :	562561800000
4.50 - 4.99 5.00 + 5.00 +	: : 100 0	: 6	:	ċ	:	: ō	: å	: å	: •	Ğ
MEAN HS(M) = 0.68	LARGEST	HS(M) =	2.30	•	TP(SEC)	•	•	-	CASES =	60
PHASE MAYE A LATOREL SHOREL PERCEN	3 ST 76 PPROACH AN ON. START= INE ANGLE T OCCURREN	GLE(REL 40.16% = 128.0 CE(X100							Y - 180.0 13W ERS	
HEIGHT(METERS)	4,4- 6,1	- 8,1 ₋	9.6- 10.5	PERIOD	(SECOND 11.8-1 13.3	5) 3.4- 1	5.4-]	8,2- 2	2.3- LONGER	TOTAL
0.49 0.99 1.99	Ö Ö				13.3 : : : : : : 0				LONGER	90000000000
HEAR HACHT - V.	LARGEST		٧.	HEAN	1513511	- 0.	1401	DER UF	UNJES -	v





WIS STATION 76 (40.16N/ 124.25W TO 40.10N/ 124.13W)

MONTH

0.07.36.107.97.95.58.6.1 1.1.1.2.1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
MEAN 2.6 2.5 2.1 1.6 1.2 1.0 0.8 0.8 1.0 1.5 2.1 2.6	ากานทอบกอบกานการอย เกาะการอยการการอย	454082099024974	95799072974227460	2066445562M20767703	2245000011002112441		100000101000001100	78606979796898977	37812981380917394	1777791472857472746	42239059307429	77610797958617772	N568666677666578867984

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 76 (40.16N/ 124.25W TO 40.10N/ 124.13W)

MONTH

	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 8955566666666777777777 895999999999999999999999999999	8444416H226595H42H4H	054666659440000047474	ณฑสกกาสกกากเกมกากกาสสกมส เมาะ	78726647867-177-1-12909	86777907921778878204215	97.57.6867.28647.5,487.605	247441MM05M-80M4005%	3004594949050354551	45444067540405494468	กากการกระที่รูปกระทบจะเกาะ	80080466498596000076	744747166664444667766644

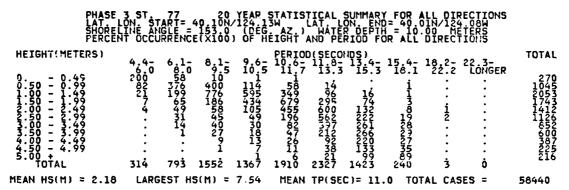
20 YR. STATISTICS FOR PACIFIC STATION 76 (40.16N/ 124.25W TO 40.10N/ 124.13W)

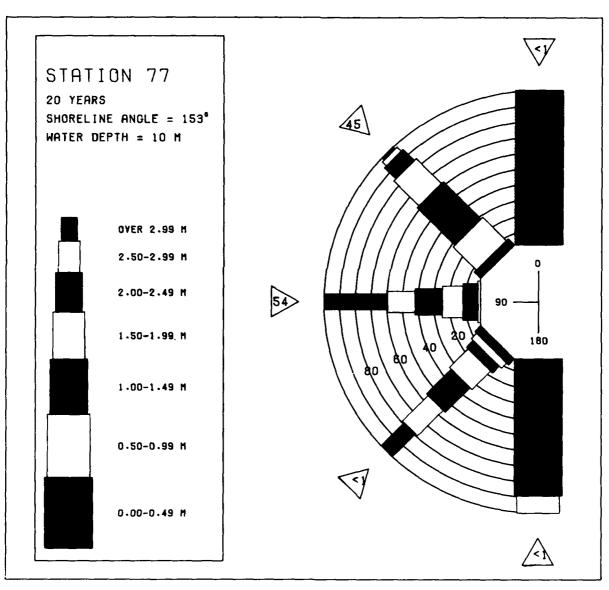
MEAN SIGNIFICANT WAYE HEIGHT (METERS) 1.7	_
MOST PERK MAYE PERIOD MOST PERMIT 30 0 DECDEF (ĈEŃTĖD) ĎIĎEČITÔN ŘAÚD (DECDEFS)	(
MEAN SIGNIFICANT MAVE HEIGHT MEAN PEAK MAVE PERFORM MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND . (DEGREES) 60.0 STANDARD DEVIATION OF MAVE HS)
STANDARD DEVIATION OF WAVE IP (SECONDS) 2.6	,
WÄVETT ASSOCIATED WITH LARGEST WAVE HS : : : : : (SECONDS) 16:7	,
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR) 69121300	į

PHASE WAVE LATORE SHORE PERCE	3 ST. 77 APPROACH ANG LON. START= LINE ANGLE: NT OCCURREN	LE(20 YEAR 40 100/124 40 100/124 15300 (DE	WAVE DIRECT TO SHOREL 13M LAT GHEIGHT AN	TTON STATINE IN DEL LON EN ATER DEPT D PERIOD	ISTICAL SUM GREES) = 0 D= 40.01N/1 H = 10.00 BY DIRECTIO	MARY 24.08W METERS	
HEIGHT(METERS)	4,4, 6,1, 6.0 8.0	8 4 1 - 9 6 6 .	PERIOD(5) - 10.6- 11 5 11.7 1	ECONDS) .8- 13.4-	15.4- 18.2 18.1 22.	- 22.3- 2 LONGER	TOTAL
0:50 - 0:49 0:50 - 0:99	6.0 8.0	9.5 10.	5 11.7 1	3.3 15.3	18.1 22.	2 LONGER	8
1:50 - 1:53			:			:	0000000000
2.2.3.4.499999 2.2.3.3.4.499999 2.2.3.3.4.4.499999 2.2.3.3.4.4.4999999999999999999999999999	: :		:	: :		•	9
3.50 - 3.99 4.00 - 4.49			:				Ŏ
4.50 - 4.99 5.00 + TOTAL	 6 6	ė ė	Ö	 0 0	ė ė	Ó	ŏ
MEAN HS(M) = 0.	LARGEST H	45(M) = 0.	MEAN TP	(SEC) =	O. NUMBER	OF CASES =	. 0
PHASE	3 ST 77	SLE(RELATIVE	WAVE DIRECT	TION STAT	ISTICAL SUN	MARY 44.9	
LAT. SHORE	3 STACH AND APPROACH AND LON. START= LINE ANGLE: NT OCCURRENCE	40.10N/124.	13W LAT	LON EN	D= 40.01N/1 H = 10.00 By 0+056470	24.08W METERS	
HEIGHT(METERS)			DEDIUDIC				TOTAL
0 0.49	4.4- 6.1- 6.0 8:0 1854 333 604 491 11 5	8.1- 9.6 9.5 10.	5 1016- 11 5 11.7 1	3.3 15.3	15.4- 18.2 18.1 22.	- 22.3- 2 LONGER	2187
99999999999999999999999999999999999999	1604 491 11 5					:	1095 16
1.50 - 1.99 2.00 - 2.49 2.50 - 2.99	: :	: :	•	: :	: :	•	000
3.00 - 3.49 3.50 - 3.99 4.00 - 4.49			:			:	Ŏ
4.50 - 4.99			:	: :		•	210 100 100 100 100 100 100 100 100 100
TOTAL MEAN HS(M) = 0.43	2469 829	Ö Ö IS(M) = 1.31	O MEAN TO	ÕÕ (SEC) =	Ö Ö	Ů Ö LOF CASES ≃	
11EAR 115(11) - 0.43	EARGEST	13(11) - 1.31	HEAR IF	(320) -	9.6 HUIDER	OF CASES ~	1767
PHASE WAVE LATE SHORE SHORE	3 ST. 77 APPROACH ANG LON. START= LINE CHIELE	20 YEAR 3LE(RELATIVE 40.10N/124. 153.00 DE	WAVE DIRECTO SHOREL	TION STAT INE IN DE LON. EN ATER DEPT	ISTICAL SUM GREES)= 45 D= 40.01H/1 H = 10.00 BY DIRECTIO	MARY 24 08W 24 08W METERS	
PHASE WAYE LATE SHORE SHORE PERCE HEIGHT(METERS)	3 ST 77 APPROÁCH ÁNG LON START= LINE ÁNGLE: NT OCCURREN		WAVE DIRECTO SHORELTS LATER LA	TION STATINE IN DE LON. EN DEPT DE PERIOD ECONDS)	ISTICAL SUM GREES)= 45 D= 40.01N/1 H = 10.00 BY DIRECTIO		TOTAL
HEIGHT(METERS)	4,4- 6,1	8.1- 9.6	PERIOD(5	ECONDS) .8- 13.4-	ISTICAL SUM GREES)= 40.01N/1 H = 10.000 BY DIRECTION 15.4- 18.2		
HEIGHT(METERS)	4,4- 6,1	8.1- 9.6	PERIOD(5	ECONDS) .8- 13.4-	ISTICAL SUM GREES) = 45 D= 40.01N/1 H = 10.01N/1 H = 10.01N/1 H = 10.01N/1 H = 10.01N/1 H = 10.01N/1 H = 10.01N/1 H = 10.01N/1		
HEIGHT(METERS)	4,4- 6,1	8.1- 9.6	PERIOD(5	ECONDS) .8- 13.4-	15.4- 18.2 18.1 22. 15. 15. 29.		
HEIGHT(METERS)	4,4- 6,1	8.1- 9.6	PERIOD(5	ECONDS) .8- 13.4-	15.4- 18.2 18.1 22. 15. 15. 29.		TOTAL 416407 9061907148071 1607148071
HEIGHT(METERS)	4,4- 6,1	8.1- 9.6	PERIOD(5	ECONDS) .8- 13.4-	15.4- 18.2 18.1 22. 15. 15. 29.	- 22 3- 2 LONGER	
HEIGHT (METERS) - 0.49 - 0.949 - 1.500 - 1.949 - 1.500 - 1.49 - 1.500 - 1.49 - 1.500 - 1.49 - 1.500 - 1.49 - 1.500 - 1.49 - 1.500 - 1.49 - 1.500 - 1.49 - 1.500 - 1.49 - 1.500 - 1.49 - 1.500 - 1.49 - 1.500 - 1.40 - 1.500 - 1.40 - 1.500 - 1.40	4- 6- 1 3-2 3-24-7 164 32-47 163 1872-2 - 265-1 - 10 	8 1 - 9 0 6 1 1 1 4 9 0 6 9 9 1 1 1 4 9 8 9 1 1 1 4 9 8 9 8 9 1 1 6 4 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD(5 10:6-11 5 1:10 5459 272 41688 41688 186 187 1688 187 17319 197	ECONDS 1 -3 -3 -3 -3 -4 -4 -3 -4 -4 -3 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	15.4- 18.2 18.1 22. 15. 20. 10.9 16.93 12.24 22.4 26.70 174.9	2 22 3- 2 LONGER	96970448973697284642 9706197284642
HEIGHT(METERS)	4- 6- 1 3-2 3-24-7 164 32-47 163 1872-2 - 265-1 - 10 	8.1- 9.6	PERIOD(5 10:6-11 5 1:10 5459 272 41688 41688 186 187 1688 187 17319 197	ECONDS 1 -3 -3 -3 -3 -4 -4 -3 -4 -4 -3 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	15.4- 18.2 18.1 22. 15. 20. 10.9 16.93 12.24 22.4 26.70 174.9	- 22 3- 2 LONGER	96970448973697284642 9706197284642
HEIGHT (METERS) 0 0.49 0.50 - 0.49 1.500 - 1.49 2.500 - 2.49 3.500 - 2.49 3.500 - 3.49 4.500 - 4.49 5.00 - 4.49 TOTAL MEAN HS(M) = 2.10	4- 6- 1 3-2 3-24-7 164 32-47 163 1872-2 - 265-1 - 10 	8 · 1 - 9 · 6 · 6 · 9	PERIOD (\$11-10-10-10-10-10-10-10-10-10-10-10-10-1	ECONDIST 1 4170 19 19 19 19 19 19 19 19 19 19 19 19 19	15.4-18.2 18.3-1 15.3-1 15.3-1 16.9-1 16.9-1 16.9-1 16.9-1 17.4-9 0 17.4-9 0 17.4-0 0	2 22 3- 2 LONGER 	96970448973697284642 9706197284642
HEIGHT (METERS) 0 0.49 1.50 - 0.49 1.50 - 1.99 2.50 - 2.49 3.50 - 3.49 3.50 - 3.49 4.50 - 4.99 5.00 - 4.99 5.00 - 4.99 FOTAL MEAN HS(M) = 2.10 PHASE WAYE SHORE PERCE HEIGHT (METERS)	44-61-32-47-169 128-77-169 128-61-10-169-189-189-189-189-189-189-189-189-189-18	8 .1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	PERIOD (\$11-10-10-10-10-10-10-10-10-10-10-10-10-1	ECONDIST 1 4170 19 19 19 19 19 19 19 19 19 19 19 19 19	15.4-18.2 18.3-1 15.3-1 15.3-1 16.9-1 16.9-1 16.9-1 16.9-1 17.4-9 0 17.4-9 0 17.4-0 0	2 22 3- 2 LONGER 	96970448973697284642 9706197284642
HEIGHT (METERS) 0 0.49 0.50 - 0.49 1.00 - 1.49 1.00 - 1.49 2.50 - 2.49 3.50 - 3.49 4.50 - 4.99 5.00 - 4.99 TOTAL MEAN HS(M) = 2.10 PHASE WAYE SHORE PERCE HEIGHT (METERS)	44-61-32-47-169 128-77-169 128-61-10-169-189-189-189-189-189-189-189-189-189-18	8 9 1 3 1 4 4 8 8 8 9 1 9 1 4 4 8 8 8 9 1 9 1 1 8 8 9 1 8 8 9 1 8 8 9 1 8 8 9 1 8 1 8	PER 100 (5) 11 1 97 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ECONDS 1 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4	15.4- 18.2 18.4- 18.2 18.4- 18.2 18.7- 18.2 18.7- 18.2 18.1- 18.2 18.1- 18.2 18.1- 18.2 18.1- 18.2 18.1- 18.2	Z 22 3- 2 LONGER 	410 921697 14097 14097 16197 14097 1624097 142497 142497 1425 1425 1425 1425 1425 1425 1425 1425
HEIGHT (METERS) 0 0.49 0.50 - 0.49 1.00 - 1.49 1.00 - 1.49 2.50 - 2.49 3.50 - 3.49 4.50 - 4.99 5.00 - 4.99 TOTAL MEAN HS(M) = 2.10 PHASE WAYE SHORE PERCE HEIGHT (METERS)	44-61-32-47-169 128-77-169 128-61-10-169-189-189-189-189-189-189-189-189-189-18	8 9 1 3 1 4 4 8 8 8 9 1 9 1 4 4 8 8 8 9 1 9 1 1 8 8 9 1 8 8 9 1 8 8 9 1 8 8 9 1 8 1 8	PER 100 (5) 11 1 97 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ECONDS 1 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4	15.4- 18.2 18.4- 18.2 18.4- 18.2 18.7- 18.2 18.7- 18.2 18.1- 18.2 18.1- 18.2 18.1- 18.2 18.1- 18.2 18.1- 18.2	Z 22 3- 2 LONGER 	410 921697 14097 14097 16197 14097 1624097 142497 142497 1425 1425 1425 1425 1425 1425 1425 1425
HEIGHT (METERS) 0 0.49 0.50 - 0.49 1.00 - 1.49 1.00 - 1.49 2.50 - 2.49 3.50 - 3.49 4.50 - 4.99 5.00 - 4.99 TOTAL MEAN HS(M) = 2.10 PHASE WAYE SHORE PERCE HEIGHT (METERS)	44-61-32-47-169 128-77-169 128-61-10-169-189-189-189-189-189-189-189-189-189-18	8 9 1 3 1 4 4 8 8 8 9 1 9 1 4 4 8 8 8 9 1 9 1 1 8 8 9 1 8 8 9 1 8 8 9 1 8 8 9 1 8 1 8	PER 100 (5) 11 1 97 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ECONDS 1 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4	15.4- 18.2 18.4- 18.2 18.4- 18.2 18.7- 18.2 18.7- 18.2 18.1- 18.2 18.1- 18.2 18.1- 18.2 18.1- 18.2 18.1- 18.2	Z 22 3- 2 LONGER 	410 921697 14097 14097 16197 14097 1624097 142497 142497 1425 1425 1425 1425 1425 1425 1425 1425
HEIGHT (METERS) 0 0.49 0.50 - 0.49 1.00 - 1.49 1.00 - 1.49 2.50 - 2.49 3.50 - 3.49 4.50 - 4.99 5.00 - 4.99 TOTAL MEAN HS(M) = 2.10 PHASE WAYE SHORE PERCE HEIGHT (METERS)	44-63 1649 187625 1649 187625	8 9 1 3 1 4 4 8 8 8 9 1 9 1 4 4 8 8 8 9 1 9 1 1 8 8 9 1 8 8 9 1 8 8 9 1 8 8 9 1 8 1 8	PER 100 (5) 11 1 97 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ECONDS 1 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4	15.4- 18.2 18.4- 18.2 18.4- 18.2 18.7- 18.2 18.7- 18.2 18.1- 18.2 18.1- 18.2 18.1- 18.2 18.1- 18.2 18.1- 18.2	22.3- 2 LONGER 	410 921697 14097 14097 16197 14097 1624097 142497 142497 1425 1425 1425 1425 1425 1425 1425 1425
HEIGHT (METERS) 0 0.49 0.50 - 0.49 1.500 - 2.49 2.500 - 2.49 3.500 - 2.49 4.500 - 4.49 4.500 - 4.49 5.00 - 4.49 TOTAL MEAN HS(M) = 2.10 PHASE WAVE SHORE PERCE HEIGHT (METERS)	4-0 32477025-1-0 16693 1426-10 16693 1426-10 16693 1426-10 16933 1426-10 16933 1426-10 16933 1426-10 16935-10 1	8 .1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	PERIOD (\$12 100	ECONDS 1 4 3 3 4 4 2 3 3 4 4 2 3 3 4 4 2 3 3 4 4 2 3 3 4 4 2 3 3 4 4 2 3 3 4 4 2 3 3 4 4 2 3 3 4 4 2 3 3 4 4 2 3 3 4 4 2 3 3 4 4 2 3 3 4 4 2 3 3 4 4 2 3 3 4 4 2 3 3 4 4 2 3 3 4 4 2 3 3 4 4 2 3 4 4 2 3 4 4 2 3 4 4 2 3 4 4 2 3 4 4 2 3 4 4 2 3 4 4 2 3 4 4 4 2 4 4 4 4	15.4-1 12.2 15.7 1.1 1.1 1.1 1.2 1.2 1.2 1.2 1.2 1.2 1.2	22.3- 2 LONGER 	410 410 9714097 1409714497 1609714497 1609714497 140971497 1409714497 1409714497 1409714497 1409714497 1409714497 14097149 140971

PHASE A WAYE A LAT. SHOREL PERCEN	3 ST PPROÀCI OH. ST. INE AN	77 H ANGLI ART = 41 GLE = RRENCE	20 E(REL) 0.10N/ 153.0	EAR WA TIVE T 124.13 (DEG.	VE DIR O SHOR W Z EIGHT	ECTION ELINE J AT LON WATER AND PER	STATIS IN DEGR DEPTH DEPTH SIOD BY	TICAL REES)= = 40.01 = 10.0	SUMMAI 105.0 107.124 00 ME	RY - 134.9 .08W TERS	
HEIGHT(METERS) - 0 49 - 0 199 - 10 199 - 11 199 - 11 199 - 12 199 - 13 199 - 14 199 - 150 - 4 199 -	4.6.68100368	6.1- 8.0 27 666 111 811 371 EST HS	8 9 3 5555286676 176 427	910655773 155	PERIOD 10.6-7 11.7 	(SECOND 113.3 13.3 113.3 110 110 110 110 110 110 110 110 110 11	05) 15:3	18.1 18.1 : :	18.2-2	22.3- LONGER 	TOTAL 93337671819 1406507752
	3PPN ACCURATE ACCURAT		22E0.000 1.50.000 1.50.000 1.50.000 1.50.000 1.50.000 1.50.00000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.00000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.00000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.00000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.00000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.0000 1.50.000000 1.50.	FAR WATER TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE TOTAL THE T	VE DIR O SHOR W AZ) EIGHT , PERIOD 111.7	ECTION ELINE IN ATT. LON MATTER AND PER (SECOND 113.3	STATIS N DEGR DEPTH PLOO BY 15.3 15.3	STICAL 240 01 = 100 C DIRECT	SUM11A1 135.0 LN/124 DC ME CTION	22.3- LÖNGER	TOTAL 34051080000000000000000000000000000000000
PHAYE ALL SEA LL	3 PPR - ACUI 5 PPR - ACUI 1 PPR - ACUI 4 6 7 7 7	77 NG 4 APT = 4 GLE = 5 GREENCE: 6.1 - 6.0	22E0.00 1.51 1.51 2.61 2.61 2.61 2.61 3.51 3.51 3.51 3.51 3.51			ECTION AT. LOA MATERA MATERA MATO PER (SECON) 113.3				22.3- CONGER :	TOTAL 77 00 00 00 00 00 00 00 00 00 00 00 00

MEAN HS(M) = 0.09 LARGEST HS(M) = 0.33 MEAN TP(SEC) = 4.6 NUMBER OF CASES = 45





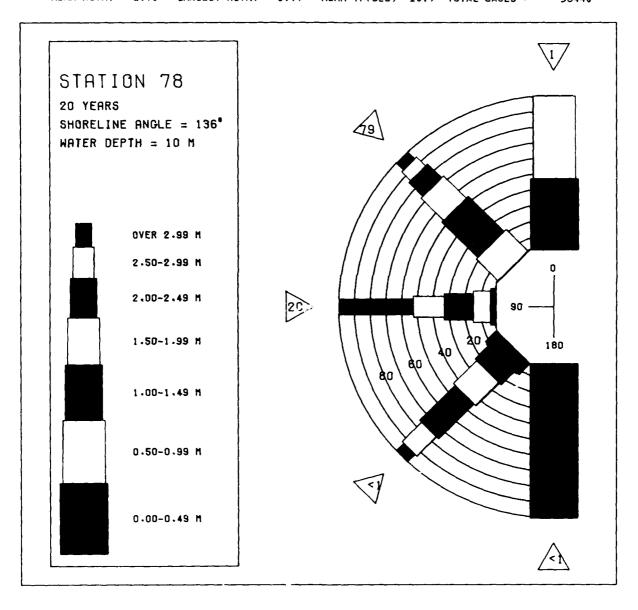
WIS STATION 77 (40.10N/ 124.13W TO 40.01N/ 124.08W)

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	HOA	DEC	
R67-89-01-28-45-67-89-01-28-45- E9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-		でいるからいのでは、これ	979582148859959797424777777 2019874885999597424777777777777777777777777777777	469490000000000000000000000000000000000	977-42099-227-787-1514-678	897.687.247.67-178.6589.16	640M-16-15,45,4-1615M-66-66-1	994-109897-M-M-M84M22	10101010111101011111100	מראורסהוליליות מסטייות מטטייות מטטייות מטטייות מסטייות מסטייות מטטייות	6595896895655450888951	2007241000000000000000000000000000000000	04404004480011848M167	NOTATALIANA TANA PARA PARA PARA PARA PARA PARA PARA P
MEAN		3.3	3.3	2.7	2.2	1.6	1.4	1.1	1.0	1.3	2.1	2.8	3.4	
					ARGES	T HS(METER	S) BY	MONT	H AND	YEAR	,		
			WIS S	TATIO			.10N/		13W T			124.0	8W)	
			M10 0	,,,,,,	., ,,		MONT			U 40.	4117		UN ,	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	
R6789012334567890123345 E999999999999999999999999999999999999		54656646645554655664	89459M221#10101#10807	0440-0000-0-000460 4454454445445654565	779848644472207754-195	ดูกเกาะดูสุดหางเกษาการกระที่	8-100007-115-4-07-8-1000000000000000000000000000000000	757877888898677846-158	805-1979-10987-15757-005	ณาณาณาณาแบบ ณายอายาการณา เกาะเกาะ เกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะ	50-150050000000000000000000000000000000	54627252141 11 89876884	45555404666556647646656	
	YR.			S FOR								и то		
MEAA MEAA MOS STAR WAVE DAT	N SI PE PE PDAR NDAR NDAR SE TE E RA OF	GNIF AK W LEQUE D DE D DE MAY ASS LAR	ICANT IAVE F NT 30 VIATI VIATI E HS OCIAT ECTIO GEST	WAVE ERIOD ON OF ON OF ED WI N ASS HS OC	HEIG GRÉE WAVE WAVE TH'LA OCIAT CURRE	HT (ČEŇT HS · TP · RĠEŠT ED WI NCE I	ĖR) Ö . HĀYĒ TH LĀ S (YR	IŘEČT HS RGEST ,MO,D	ion B WAVE A,HR)	AND HS.		METER SECON DEGRE METER SECON METER SECON DEGRE	\$)))))))))))))))))))	2.20 60.02 2.55 16.4 16.4 16.4 69121203

PHASE WAYE LAT. SHORES WAYE LAT. SHORES WAYE LAT. SHORES WAYE SHORES WAYE LAT. SHORES WAYE	4,4-0 6,1-0 162 	20 YEAR W LE(RELATIVE 40.01N/124.0 E(X1000) OF 8.1- 9.6- 9.5 10.5 		DN STATISTICA E IN DEGREES ON END 39 ER DEPTH = 10 DRDS 1 3 13.4 - 15.4 - 3 15.3 16.1 		TATAL 9 162 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	4.4- 6.1- 436 221 1767 3620 643 2556 				L SUMMARY 911449116 15 0 7 14 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TOTAL 685 5787 3185 685 685 000 000
PHASE WAVE LATT REPORTED TO TALE MEAN HS(M) = 1.93	4.4- 6.1- 6.0 8.10 6.9662 15 374 6 374 6 148 27 74 2552	8 1 - 9 6 5 145 10 5 6028 2118 828 1904 3281 239 104 87 11 10	PERIOD (SE 8- 10 16-7 203397 11077 2033997 2033997 2033997 20347 2077 203499 203497 20	TATER STATES OF THE STATES OF	18 2- 22 3- 22 2 LONGER 22 2 LONGER 22 2 10 10 10 10 10 10 10 10 10 10 10 10 10	TOTAL 25129 25129 167681 1266646 12512496 12512496
PHAVE REPORT OF THE PHAVE	3 ST 78 ANG CH ANG CON START = 1 1 OCCURRENCE 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		PERTODISECO		L SUMMARY 910/123-91W 200 METERS ECTION 18.2- 22.3- 22.2 LONGER	COTAL

PHASE WAVE A Lat Shorel Percen	3 ST 78 PPROACH ANG ON. START= INE ANGLE = IT OCCURPENC	20 YEAR LE(PELATIV 40.01N/124 136.0 (D E(X1000) 0	WAVE DIR VE TO SHOR 1.08W PEG. AZ.) OF HEIGHT	ECTION ELINE II AT. LON WATER AND PER	STATISTIC N DEGREE END= 3 DEPTH = LOD BY D	CAL SUMM/ 5)= 105. 9.91N/12: 10.00 ME IRECTION	RY) - 134.9 5.91W TERS	
HEIGHT (METERS) 0.4990.4991.99	4.4- 6.1- 6.3 i 18 30 18 30 19 111 1 111	8.1-5 10 9.5 58 35521	PERIOD 10.67 11.7	SECOND 113.3	5) 3.4- 15.6 15.3 18	18.2-	22.3- LONGER :	TOT 41625652000
1.00 - 1.49 3.50 - 3.49 4.50 - 4.99 5.00 + TOTAL MEAN HS(M) = 2.46	; ; 128 311	: 128 S(M) = 3.8	: : 2 2 3 MEAN	Ö TP(SEC)	0 = 7.0	Ö Ö MUMBER (Ö DF CASES =	
	3 ST. 78 PPROACH ANG ON. START= INE ANGLE = TOCCURRENC	20 YEAR LE(RELATIV 40.01N/124 136.0 (0 E(X1000) C				CAL SUMM/ 5)= 135.(9.91N/12 10.00 ME TRECTION	RY) - 164.9 : TERS	
HEIGHT (METERS) 0.499 1.000 1.200 1.000 1.200 1.000 1.200 1.000 1.200 1.000 1.200 1.000 - 1.2	4.4- 6.1- 6.0 8.0	8,1- 9 9.5 10 :	6- 10.6- 0.5 11.7	11.8-1 11.8-1 13.3	3,4- 15.4 15.3 18	4- 18.2- 1 22.2	22.3- LONGER :	15000000000000000000000000000000000000
0.49 0.99 1.949 1.950 - 1.22 1.950 - 1.249 1.950 - 1.499 1.950	: : ; ; S(M) = 0.1		: : 0 TP(SEC)	•	i i	: : : 0 OF CASES =	•	
	3 ST : 78 PPROACH ANG ON STARTS INE ANGLE = IT OCCURRENC						ARY 0 - 180.0 1 - 180.0 1 - 180.0	·
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0			AND FER			22.3- LONGER	TOTAL
99999999999999999999999999999999999999		: : : :		: : : :				00000000000
MEAN HS(M) = 0.	LARGEST H	•	•	TP(SEC)	•	-	OF CASES =	0

PHASE LAT. SHOREL PERCEN	3 ST ON. STAP INE ANGI	78 RT= 40.01N. LE = 136.0 RENCE(X100	YEAR 9 /124.08 (DEG.	TATIS; SW Z) EICHT A	TICAL S LAT. LO WATER AND PER	OMMARY ON. END POPTH RIOD FO	FOR A 1= 39.9 1 = 10. 0R ALL	LL DIR 1N/123 00 ME DIRECT	ECTIONS .91W TERS IONS	
HEIGHT(METERS)	44- 4	5.1- 8.1-	9.6-	PERIO) { ŞEÇCI	105) 13.4-	15 4-	18 2-	22 7-	TOTAL
0 0.49	6.0	8.0 9.5 28 15	10,5	11,7	13.3	15.3	18.1	22.2	LONGER	108
0.50 - 0.99 1.00 - 1.49	177 69	459 644 287 582	211 746 193	16756050 16329430	203 203	41	ż 1	:	:	1627 2596
2.00 - 2.49	29	114 101	193 55	635 226	614 649	128 261	20	2	:	1815
2.50 - 2.99 3.00 - 3.49 3.50 - 3.99	•	84 55 55 52 3 12	55 40 25 27	90 45	407 189	336 265 179	20 35 40	:	:	1924 640
4:50 - 4:49 4:50 - 4:99	:	. 12	iż	\$0 20	39 14	86 45	35	:	:	386 209 105
5.00 + TOTAL	339 10	 052 1562	1319 1319	1843	2227	32 1375	24 234	4	Ó	181
MEAN HS(M) = 1.90	LARGES	ST HS(M) =	6.99	MEAN	TP(SEC	:)= 10.	9 TOT	AL CAS	ES =	58440



WIS STATION 78 (40.01N/ 124.08H TO 39.91N/ 123.91H)

MONTH	
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	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	การกระบายการกระบายการกระบายการกระบายการกระบายการกระบายการกระบายการกระบายการกระบายการกระบายการกระบายการกระบายกา	พระครายสาราชาวา	<u> </u>	707097679945557-10755	המילים היים ליים היים היים היים היים היים	429204055420015444440	99200899402010282211	101010101010101010100	0421590241931501139515	406966624604460754568	9 ขณะนา - การเกิด - 14 ตาร์ง - 17 ตัว	29079420112882040614	**************************************
MEAN	2.9	2.8	2.4	1.9	1.4	1.2	1.0	1.0	1.1	1.7	2.4	3.0	

LARGEST HS(METERS) BY MONTH AND YEAR

HIS STATION 78 (40.01N/ 124.08W TO 39.91N/ 123.91W)

MONTH

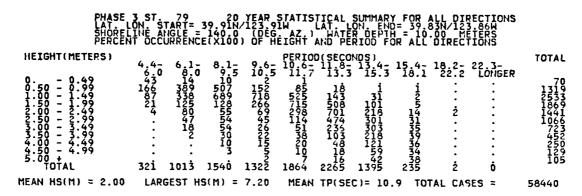
	JAN	FEB	MAR	APR	MAY	HUL	JUL	AUG	SEP	OCT	NOV	DEC
Y193545678901234567890123456789012345678901234567890123456789012345	670745819297777444944 5764555654445565564	5665544657555554470865	382-675-6883-4-19587339-6	222807924971542857442 222807924971542857442	29054270590197156671	39698199418687801037	501-654-6537-64557-32825	64087160675282504644 	82733870845628824710	55468493509704673205	75577798158121466198	90956002955140512992

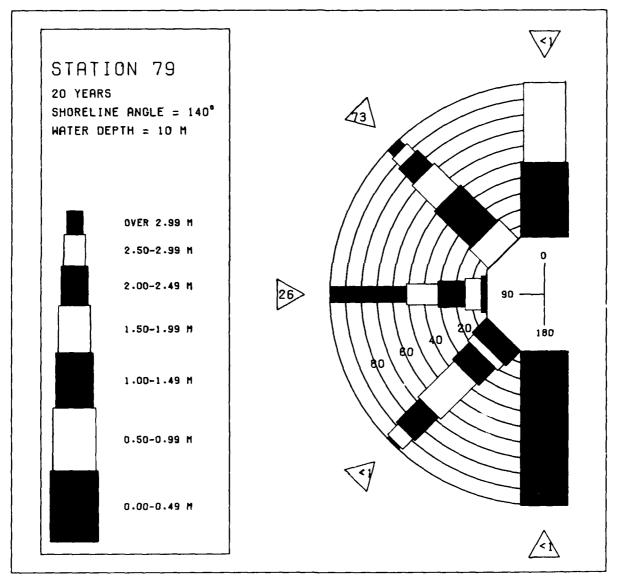
20 YR. STATISTICS FOR PACIFIC STATION 78 (40.01N/ 124.08W TO 39.91N/ 123.91W)

MEAN SIGNIFICANT WAVE HEIGHT	10.9 60.0 1.0
STÂNDÂRD DEVÎÂTÎDN OF WÂVE TP	2.5 7.0 16.7 72.4 69121209

PHASE HAYE LAT SHORE PERCE	3 ST 79 APPROACH AN LON. STARTE LINE ANGLE NT OCCURREN	20 Y GLE(RELA : 39.91N/ = 140.0 ICE(X1000	(EAR WA (TIVE) (123.9) (DEG.	VE DIR O SHOR W AZ) IEIGHT	ECTION ELINE AT LOI WATER AND PEI	STATI IN DEG N. END DEPTH RIOU B	STICAL REES)= = 39.8 = 10 Y DIRE	SUMMA 3N/123 00 ME CTION	RY - 14.9 5.86W TERS	
HEIGHT(METERS)				PERIOD 10.6- 11.7						TOTAL
0.500	4.4- 6.1 6.0 8.	9.5	10.5	11.7	:	15.3	18.1	22.2	LONGER :	148
1.00 - 1.49			•	:	:	:	:	•	•	148 0 0 0 0 0 0
2.50 - 2.33 3.00 - 3.42	•	:	:			:	:	:	:	ŏ
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99	•	•	:	:	•	•	•	•	:	000
5.00 + TOTAL	148 6	Ö	Ö	Ö	Ô	ó	Ö	Ď	Ö	ŏ
MEAN HS(M) = 0.12	LARGEST	HS(M) =	0.39	MEAN	TP(SEC) = 4	.9 NU	MBER C	F CASES	= 87
PHASE WAYE LAT SHERCE	3 ST. 79 APPROACH AN LON. START: LINE ANGLE NT OCCURREN	GLE(RELA : 39.91N/ = 140.0 CE(X1000	EAR WA TIVE T 125.91 (DEG.	VE DIR O SHOR W) IEIGHT	ECTION ELINE AT. LOI WATER AND PEI	STATI IN DEG N. END DEPTH RIOD B	STICAL REES)= = 39.8 y DÎRE	SUMMA 15.0 3N/123 00 ME CTION	RY - 44.9 .86W TERS	
HEIGHT(METERS)	4,4- 6,1	8 <u>.</u> 1-	9.6-	PERIOD 10.6- 11.7	(SECON	05) 13.4-	15.4-	18.2-	22.3- LCHGER	TOTAL
0 0.49 0.50 - 0.99	4.4- 6.1 273 90 1658 2879 851 2479 85 104	8.1- 0 9.5 213 331 75	10.5	11.7	13.3	15.3	18.1	22.2	LCHGER	4750
1.00 - 1.49	831 2491 85 677	331 75	:	:	:		:	:	:	3710 375537 375537 3687 1
2.50 - 2.99 3.00 - 3.49	. 109	6	:	:	:	:	:	:	:	110
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99 5.00 +		•	•	:		:	:	•	:	Ŏ Q
5:00 + 10TAL	2852 6246	628	Ö	Ö	Ó	Ö	Ö	Ö	Ö	ŏ
MEAN HS(M) = 1.02	LARGEST	H\$(M) =	2.88	MEAN	TP(SEC) = 6	.6 NU	MBER C	F CASES	= 5689
	3 ST. 79 APPROACH AN LON, START= LINE ANGLE NT OCCURREN	20 Y GLE(RELA 39.91N/ = 140.0 ICE(X1000	EAR WA TIVE T 123.91 (DEG.	VE DIR O SHOR W L AZ.) HEIGHT	ECTION ELINE AT. LOI WATER AND PEI	STATI IN DEG IL END DEPTH RICD B	STICAL REES)= 39.8 = 10. Y DIRE	SUMMA 45.0 3N/123 00 ME CTION	RY 74.9 186W TERS	TOTAL
HEIGHT(METERS)	3 ST 79 APPROACH AN LOW. START= LIME ANGLE NT OCCURREN 4.4- 6.1	GLE(RELA 39,91% = 39,91% CE(X1000	(EAR WATEVE 7 123.91 (DEG.) OF H	VE DIR O SHOR W AZ) MEIGHT PERIOD 10.6- 11.7	ECTION ELINE AT. LOI WATER AND PEI (SECON! 11.8-	STATI IN DEG I. END DEPTH FICO B DS) 13.4- 15.3	STICAL REES)= = 39.8 Y OIRE 15.4- 18.1	SUMMA 45.0 3N/123 00 ME CTION 18.2- 22.2	74.9 3.86W TERS	TOTAL
HEIGHT(METERS)	AST. 79 APPROACH AN LON. STARTE LINE ANGE HT OCCURREN 4.4- 6.1 6.0 81	20 Y 20 Y	(EAR WA 1178 71 123 91 100F H	PERIOD 10:555	ECTION ELINE AT. LOR WAT LER AND PER (SECON! 113.3	STATIG IN DEGENER DEPUT B PICO B 1153 116	STICAL REES).8 2 910.6 Y 01R6 15.4-1 18.3	SUMMA 45.0 30 13.0 30 13.0 CTION 18.2- 22.2	22.3- LONGER	
HEIGHT(METERS)	3 ST	20 YAN 20	EARYE 96 123.EG H 123.EG H 152.7385 152.7385 172.66	PER 10-7 82947 98497 98497	ECTION ELINEON WATER WAD PEI AND 13.6 13.6 143.5 143.5 143.5 143.5 143.5 143.5 143.5 143.5	ST ADENHA ST DENHA SN EED 4.3 10.55 11.55	STICS)=0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:	SUMMA 3N 1 23 30	22.35 LÖNGER	
HEIGHT(METERS)	3 ST. 79 APPROACH AN LON. STAPT= LINE ANT OCCURPEN 4.4-6.1 6.0 81 22 376 32 376 5.148	20 LE LA LA LA LA LA LA LA LA LA LA LA LA LA	9100 6-5 11200 91022752575257 91022752575257 17266281	PES 11558447879	OF 11 15642	IN DENDH B -3 IN	CA)-80:E CA)-80:E CA)-80:E CES910R -1 12540676 1333 1333	SUMMA 345.23 300 ME 300 TION 18.2-2 5.89 8.29	22.3- LONGER	196 194443 21534436 1734436 941
HEIGHT (METERS) 0.94999 0.5000-1-102999 11.05000-1-3499 22.0500	3 ST . 79 APPROACH AN LON. STARTS LINE ANGLE NT OCCURREN 4.4- 6.1 3 1007 222 378 3 148 3 148	20 YAN 20	ARY 31 6 5 1 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PEON 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ECLI A LERE ON 3 6156430280 1113 6156420 1256400 1256420 1256400 1256400 1256400 1256400 1256400 1256400 1256400 12564	ST DEGDH 8 11. DECD -3 11. DECD -3 10. DEC	L=8 .4 .37082676504 CS970R -1 .254047537 TES 1 .8 .254047537 SRE 7 1 12535337	SUMMA	22.35- LÖNGER	196 194443 21534436 1734436 941
HEIGHT(METERS) 0.9499 0.19499	4.4- 6.1 6.0 81 3 1007 22 376 3 336 5 338 6 2 276	8 .1 -5 1000 4849837 4849837 32466 3 10373 3 .2 2	9.6.5 10.00 152785 263277 263277 10 2375	PER 10D 101-7 1155844578529572803155877280317566633	SECON 11 3 61 1436430	1305946874 131229991523 131229991523	15 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	18.2-2 5.89 8 56	22.3- LONGER 	944533033333 944533033333 9445334416996 81739631 81739631
HEIGHT(METERS) 0.9499 1.500 - 1.0499 1.5500 - 2.3499 2.2500 - 2.4499 3.500 - 44.99 3.500 - 44.99 4.500 - 4	4.4- 6.1 6.0 81 3 1007 22 376 3 336 5 338 6 2 276	20 YA 20 YA 21 E (RELN/ 21 21 20 20 20 20 20 20 20 20 20 20 20 20 20	9.6.5 10.00 152785 263277 263277 10 2375	PER 10D 101-7 1155844578529572803155877280317566633	ECTION ELII TERE WAND COMMINICATION OF THE PER IN THE	1305946874 131229991523 131229991523	15 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	18.2-2 5.89 8 56	RY 74.9 16 H 74.9 1 ERS 22.35 LONGER 	944533033333 944533033333 9445334416996 81739631 81739631
HEIGHT (METERS) 0.49 0.500 - 0.49 1.500 - 1.29 2.500 - 2.39 3.500 - 3.49 3.500 - 44.99 5.00 - 44.99 5.00 - 44. MEAN HS(M) = 2.03	4.4- 6.1 6.0 81 3 1007 22 376 3 336 5 338 6 2 276	0 915 10402 108478 108478 10847 1084	9.6-5 15279 15279 26357 10.2375 2375 17.20 2375 17.20	PER 100-7 16-7 16-7 16-7 16-7 16-7 16-7 16-7 16	11836 14815 14815 150613 14815 150613 16815 17815 1791	13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-1 4 370826765060 N A) 0.0R CS9-1083 D IES	18.2-2 5.89 8 56 88 88 88 88 88 88 88 88 88 88 88 88 88	22.3- LONGER 	196 8441 217356 17356 13434 9436 6133 19352 6352 6352 48938
HEIGHT (METERS) 0.50 - 0.49 0.50 - 0.49 1.500 - 1.29 2.500 - 2.39 3.500 - 3.99 4.50 - 4.99 5.00 + 4.99 5.00 + 4.99 5.00 + 4.99 FOTAL MEAN HS(M) = 2.03 PHAYE SHOPE PERCE HEIGHT (METERS)	4.4-6.1 6.0 8 1007 222 378 3 1007 3 1007 3 1007 62 276 62 276 LARGEST 4 177 4 178 ANGLENT OCCURPENT	0 1-5 0 402 1046983 10369837 10369837 10369837 10369837 1036987 103	9.6-5 10.20	PER 100-7 16-7 16-7 16-7 16-7 16-7 16-7 16-7 16	11836 14815 14815 150613 14815 150613 16815 17815 1791	13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-1 4 370826765060 N A) 0.0R CS9-1083 D IES	18.2-2 2.5 5.8 29.68 56 MBER O	22.3- LONGER 	944533033333 944533033333 9445334416996 81739631 81739631
HEIGHT (METERS) 0.49 0.50 - 0.49 1.500 - 12.949 1.500 - 12.949 2.500 - 2.949 3.500 - 4.49 5.00 - 4.49 5.00 - 4.49 EAN HS(M) = 2.03 PHIST SHOPE HEIGHT (METERS) 0 0.49	4.4-6.1 6.0 81 1007 3 1007 3 1007 3 1007 3 1007 3 1007 62 276 LARGEST 4 1007 4 1007	0 1 5 0 1 0 5 0 4849837 0 1048877 0 1048877 0 13282 1 13282	9.6-5 151701857 1517268557 10.2375 10.	PER 10D 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(SECON-1113-61-11-11-11-11-11-11-11-11-11-11-11-11-	13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	151 13555573 NU L=8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18.2- 2.2.5 5.6 8.29 8 5.6 MBER O	22.3- LONGER 	196 8441 21543 17356 13436 9436 31633 19322 632 = 48938
HEIGHT (METERS) 0.49 0.50 - 0.49 1.500 - 12.949 1.500 - 12.949 2.500 - 2.949 3.500 - 4.49 5.00 - 4.49 5.00 - 4.49 EAN HS(M) = 2.03 PHIST SHOPE HEIGHT (METERS) 0 0.49	4.4-6.1 6.0 81 1007 3 1007 3 1007 3 1007 3 1007 3 1007 62 276 LARGEST 4 1007 4 1007	0 1 5 0 1 0 5 0 4849837 0 1048877 0 1048877 0 13282 1 13282	9.6-5 151701857 1517268557 10.2375 10.	PER 10D 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(SECON-1113-61-11-11-11-11-11-11-11-11-11-11-11-11-	13 105467346874 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-1 4 370826765060 N A) 0.0R CS9-1083 D IES	18.2-2 2.5 5.8 29.68 56 MBER O	22.3- LONGER 	196 8441 21543 17356 13436 9436 31633 19322 632 = 48938
HEIGHT (METERS) 0.49 0.50 - 0.49 1.500 - 12.949 1.500 - 12.949 2.500 - 2.949 3.500 - 4.49 5.00 - 4.49 5.00 - 4.49 EAN HS(M) = 2.03 PHIST SHOPE HEIGHT (METERS) 0 0.49	4.4-6.1 6.0 81 1007 3 1007 3 1007 3 1007 3 1007 3 1007 62 276 LARGEST 4 1007 4 1007	0 1 5 0 1 0 5 0 4849837 0 1048877 0 1048877 0 13282 1 13282	9.6-5 151701857 1517268557 10.2375 10.	PER 10D 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(SECON-1113-61-11-11-11-11-11-11-11-11-11-11-11-11-	13 105467346874 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-1 4 370826765060 N A) 0.6 -1 13540475373 IEE3 D .8	18.2- 2.2.5 5.6 8.29 8 5.6 MBER O	22.3- LONGER 	196 8441 21543 17356 13436 9436 31633 19322 632 = 48938
HEIGHT (METERS) 0.49 0.50 - 0.49 1.500 - 12.949 1.500 - 12.949 2.500 - 2.949 3.500 - 4.49 5.00 - 4.49 5.00 - 4.49 EAN HS(M) = 2.03 PHIST SHOPE HEIGHT (METERS) 0 0.49	4.4-6.8 10026 3 10026 3 10026 3 10026 3 10026 3 10026 1 2 2 7 6 6 1 2 2 7 6 6 1 2 2 7 6 6 1 3 16016 1 3 16016	0 1 5 0 1 0 5 0 4849837 0 1048877 0 1048877 0 13282 1 13282	9.6-5 151701857 1517268557 10.2375 10.	PER 10D 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(SECON-1113-61-11-11-11-11-11-11-11-11-11-11-11-11-	13 105467346874 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-1 4 370826765060 N A) 0.6 -1 13540475373 IEE3 D .8	18 2-2 5 6 29 68 56 MBER 0 75 75 10 10 N 18 2 2 2 3 3 1	22.3- LONGER 	196 8441 21543 17356 13436 9436 31633 19322 632 = 48938
HEIGHT (METERS) 0.94999 0.9499 0.9499 0.9499 0.9499	4.4-6.1 6.0 8 10076 3 10076 3 10076 3 10076 3 10076 3 10076 6.2 276 6.2 276 LARGEST 4.4-6.1 4.4-6.1 6.0 8 170 16076 170 17076 170	-0 1.5 904983766673 · 2 = YAN 904986403 8 0 0 1.5 184986403 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9.6-5 10.20	PER 100-7 16-7 16-7 16-7 16-7 16-7 16-7 16-7 16	11836 14815 14815 150613 14815 150613 16815 17815 1791	13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	151 13555573 NU L=8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18.2-2 5.8 2968 56 MBER OF SUMMARIAN SUMBAN SUMARIAN SUMARIAN SUMMARIAN SUMMARIAN SUMMARIAN SUMMARIAN SUMMARIAN	22.3- LONGER 0 0 0 0 CASES 2.3- LONGER 	196 8441 17356 17356 13434 9436 61033 1932 632 = 48938

PHASE WAYE A LAT SHOPEL PERCEN	3 ST 79 PPROÀCH ANG DN. START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATÎVE 39.91H/123. 140.0 (DE E(X1000) OF			ISTICAL SUM GREES) = 105 D= 39.83N/1: H = 10.00 I BY DIRECTION	1ARY 0 - 134.9 3 86W 1ETERS	
HEIGHT(METERS) 0 - 0.49 0.50 - 0.99 1.50 - 1.49 1.50 - 2.49 2.50 - 2.49 2.50 - 3.99 4.50 - 4.99 5.00 + TOTAL MEAN HS(M) = 2.41	464- 6.1- 630 i 5623 683 223 683 	8.1- 9.6 9.5 10. 8 35 1 27 3 27 . 10 116 4	; ; ; ; ;	SECONDS) 1.87 13.4- 13.3 15.3 		22.3- 2 LÖNGER 	TOTAL 45 198 1286 100 101 11 1
PHASE ALL AT RELATIVE ALL AT R	464- 61-0 66 : : : : : : : : : : : 6	E (20 LYEAR LATIVE 123 P. 123	PERIOD(10 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SECONDS) 1.8- 13.4 13.3 15.3 	ISTICAL SUMM GREES) = 135 D= 39.83N/16 BY DIRECTION 15.4- 18.2: 18.1 22: 		TOTAL 6000000000000000000000000000000000000
PHASE ALAY AT A CONTROL OF THE CONTR	3 ST 79 PPROACH ANG ON START= I'ME ANGLE = I OCCURPENC 4.4-6.1-6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	8,1- 9.6 9.5 10. 	PERIOD(- 10.6- 1 5 11.7 	SECONDS) 1.8- 13.4- 13.3 15.3 	ISTICAL SUMM GREES) = 165 DE = 39.83N/1 H = 10.00 DY DIRECTION 15.4- 18.2 18.1 22.3 		TOTAL



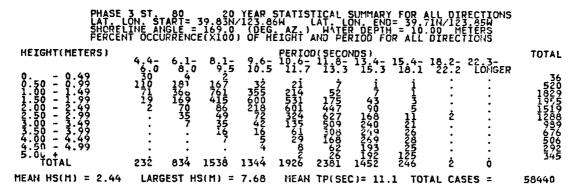


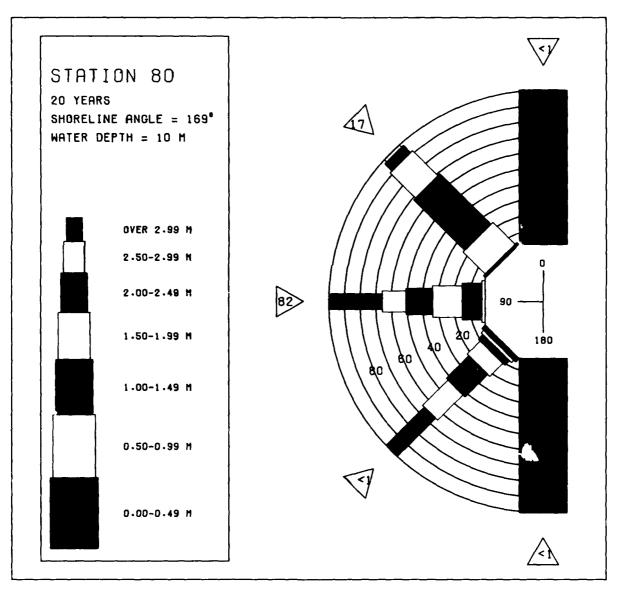
WIS STATION 79 (39.91N/ 123.91W TO 39.83N/ 123.86W)

						MONT	Н						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
	02090426684993571734 0	0000-1509-01500-02157-584-88 0	146186344162777766015 5	8-4-10878005664444-1746 0	מינים מיני	האיסאיים ייליניאיים איניים אינ	00310990512121212033300	19101828202919020509	15269174207602240626 2	51706735605291865679 8	ONTHING TO CONTRACT OF THE PROPERTY OF THE PRO	MONOMINATION OF THE PROPERTY O	N8920099009090902191128
			1 /	ADCES.	T NS()	METED	el By	MONTI	H AND	YEAR			
	,	HIS S	LATIO					91W T			123.8	6W)	
						MONT	Н						
•	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1995601234566789012345	17285791120768555944	566555465544555554454	50578781967018195618	3754777775184055	25222245522222222222222222222222222222	277203024207700022108	1121111112111211121112111	75198281786493614855	92934982967849936850	54691306520113774235	29864849488445509228	85088202057452722014 555444466654547546655	
20 YR. S	STAT	ISTIC	S FOR	PACI	FIC S	TATIO	N 79 :	(39.9)	1N/ 1	23.91	н то	39.83	N/ 123.86W)
MEAN SER MOST DARE MOST DARE TARGE TO LAVER A OF MOST DARE LAVER A OF											METER SECON DEGRE METER SECON METON SECON DEGRE		2.0 10.9 60.0 2.5 16.7 16.7 69121209

PIASE LAYE LAY SHORE!	3 ST 80 APPROACH AN ON. START= INE ANGLE IT OCCURREN	GLE(RELA 39.83N/ = 169.0	TIVE TO THE TOTAL PROPERTY OF HEAD PARTY OF	VE DIR O SHOR L AZ.)	ECTION ELINE : AT LO! WATER AND PER	STATI IN DEG N. END DEPTH RIOD B	STICAL REES)= = 39.7 = 10 Y DIRE	SUMMA 1N/123 00 ME CTION	RY -85W TERS	
HEIGHT(METERS)	4,4- 6,1 6.0 8.								22.3- LÖNGER	TOTAL
0.50 - 0.49 0.50 - 0.99 1.50 - 1.49 1.50 - 1.99	6.0 8.	9.5	10.5	:	:	:	:	:	LUNGER	0
99999999999999999999999999999999999999		:	•	:	:	:	:	:	•	00000000000
3.00 - 3.49 3.50 - 3.99	•	:	:	:	:	:	:	:	•	Ŏ
49999999999999999999999999999999999999	: :			:	:	•	:	:	:	0
MEAN HS(M) = 0.	LARGEST	HS(M) =	0.	MEAN	O TP(SEC:) = 0	. 100	0 MBER O	U F CASES =	. 0
HASE A LAYE A LAYONE SHORE PERCEN	3 ST 80 APPROACH AN LON. START= INE ANGLE IT OCCURREN	20 Y GLE(RELA 39.83N/ = 169.0 ICE(X1000	EAR WA TIVE T 123.86 (DEG.	VE DIR O SHOR AZ.) IEIGHT	ECTION ELINE AT. LON WATER AND PER	STATI IN DEG 1. END DEPTH RIOD B	STICAL REES)= 39.7 10 Y DIRE	SUMMA 15.0 1N/123 00 ME CTION	RY - 44.9 TERS	
HEIGHT(METERS)	4,4- 6,1	ō 8,1 <u>-</u>	9,6-	PERIOD 10.6- 11.7	(SECOND)§) 13.45	15.4-	18,2-	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	4.4- 6.1 280 8 658 119	9.5	10.5	:	:	:	:	:	LUNGER	285 777
1.50 - 1.49 1.50 - 1.99 2.00 - 2.49	: :	•	:	:	:	:	:	:	•	285 773 130 00 00 00
2.50 - 2.99 3.50 - 3.49 3.50 - 3.99		:	:	:	:	:	:	:	•	000
4.00 - 4.49 4.50 - 4.99 5.00 +		:	:	•	•	:	•	:	•	0
TOTAL MEAN HS(M) = 0.61	948 127 LARGEST		0 1.17	Ŏ MEAN	0 TP(SEC :	0) = 5	.6 NU	0 MBER 0	O F CASES =	= 630
PHASE WAYE A LAT SHORE PERCEN	3 ST. 80 APPROACH AN -ON. START= INE ANGLE IT OCCURREN	GLE(RELA 39.83N/ = 169.0 CE(X1000	TEAR WA TIVE T '123.86 (DEG.	VE DIR O SHOR W L AZ.) IEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATI IN DEG N. END DEPTH RIOD B	STICAL REES)= = 39.7 = 10. Y DIRE	SUMMA 45.0 1N/123 00 ME CTION	RY - 74.9 .85W TERS	
PHASE WAYE / LAT SHOƘE! PERCEN HEIGHT(METERS)	4.4- 6.1	- 8.1-	9.6-	PERIOD 10.6-	(SECONO	STATI IN DEG IN END DEPTH TIOD B	STICAL REES):7 = 10: Y DIRE	SUMMA 4500 1N/123 00 ME CTION	RY 74.9 .85W TERS	TOTAL
HEIGHT(METERS)	4.4- 6.1	- 8.1-	9.6-	PERIOD 10.6-	(SECONO	15.3 15.3	STICAL REES)= 39.7 Y DIRE	SUMMA 45.0 1N/123 0 HE CTION 18.2- 22.2	RY 74.9 . 85W †ERS 22.3- LONGER :	74
HEIGHT(METERS)	4.4- 6.1	- 8.1-	9.6-	PERIOD 10.6-	(SECONO	15.3 15.3	STICAL REES)= 10. 10. Y DIRE 15.4- 18.1	SUMMA 45.0 1N/123 00 HE CTION 18.2- 22.2	RY 74.9 185W TERS 22.35- LONGER	74
HEIGHT(METERS)	4.4- 6.1	- 8.1-	9.6-	PERIOD 10.6-	(SECONO	15.3 15.3	STICAL REES) 7 2 10: 10: 10: 10: 10: 10: 10: 10: 10: 10:	SUMMA 45.0 1N/123 00 HE CTION 18.2- 22.2	RY 74.9 .85W TERS 22.3- LONGER 	TOTAL 76 4097 15421 146358 9161 3460 3460
HEIGHT(METERS)	4.4- 6.1	- 8.1-	9.6-	PERIOD 10.6-	(SECONO	15.3 15.3	STEE 3 10 E STEE 3 10 E 2 D I & 1 1 1 8 3 5	SUMMA 145.0 1N/123 CTION 18.2- 22.2	RY 74.9 1854 1ERS 22.3- LONGER 	74
HEIGHT (METERS)	4.4- 6.1	0 9 1 5 2 5 1 5 4 5 7 5 6 6 9 4 7 6 1 5 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9.6-5 10.36 25962 27962 16462 1777 398	PERIOD 10.7 16.7 16.824 16.565 14.1565	SECO-13 3-653-17440 1507097884426 1507097888426 2321 1007	13.5. ilosessolo4 12.12.18525 2	15.47 18.3	18.2- 22.2	RY 74.9 TERS 22.3- LONGER	40921 454638 15465663 16469 2247
HEIGHT (METERS) - 499 - 499 - 112-949 - 12-949	4.4- 6.8. 4.4- 6.8. 4.4- 16-17-20-20-20-20-20-20-20-20-20-20-20-20-20-	0 9 1 5 2 5 1 5 4 5 7 5 6 6 9 4 7 6 1 5 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9.6-5 10.36 25962 27962 16462 1777 398	PERIOD 10.7 16.7 16.824 16.565 14.1565	SECO-13 3-653-17440 1507097884426 1507097888426 2321 1007	13.5. ilosessolo4 12.12.18525 2	15.47 18.3	18.2- 22.2	22 3- LONGER : : : : : : : : : :	40921 454638 15465663 16469 2247
HEIGHT (METERS) 0.499 0.500 - 0.499 1.500 - 12.949 2.500 - 2.949 2.500 - 3.99 2.500 - 4.99 2.50	4.4- 6.6. 6.5. 4.41 1.5. 1.6. 1.	0 9 1-5 9 275 159497 369466 3 273 2 1 1 30 7 0 1 HS(M) =	9.6- 10.5 256 251424 1362 177 38	PERIOD 1 1 - 7 128248 2 5 5 6 1 MEAN	(SECONT) 113.3 15217 15270740	1 1 1 1 2 1 8 5 2 5 5 1 1 1 2 1 8 5 2 5 5 1 1 1 2 1 8 5 2 5 5 1 1 1 2 1 8 5 2 5 5 1 1 1 2 1 8 5 2 5 5 1 1 1 2 1 8 5 2 5 5 1 1 1 2 1 8 5 2 5 5 1 1 1 2 1 8 5 2 5 5 1 1 1 2 1 8 5 2 5 5 1 1 1 2 1 8 5 2 5 5 1 1 1 2 1 8 5 2 5 5 1 1 1 2 1 8 5 2 5 5 1 1 1 2 1 8 5 2 5 5 1 1 2 1 8 5 2 5 1 1 1 2 1 8 5 2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4- 18:1	18.2- 22.2	22 3- LONGER	40921 454638 15465663 16469 2247
HEIGHT (METERS) 0 - 0 . 49 0 . 50 - 0 . 49 1 . 50 - 1 . 99 1 . 50 - 2 . 99 2 . 50 - 2 . 99 2 . 50 - 3 . 99 2 . 50 - 4 . 49 5 . 70 - 4 . 49 TOTAL MEAN HS(M) = 1.93 PHASE WAYE L SHORE PERCEN HEIGHT (METERS)	4.4- 6.1 4.4- 6	0 9 27 5 1 5 2 4 5 7 6 1 5 7 6	9.6-5 2.5-66-5 2.5-66-5 2.5-66-6-7 1.5-66-7 1.5-	PERIOD 11.9 16.0 11.9 16.0 16.0 16.0 16.0 16.0 16.0 16.0 16.0	(\$113.3621740 113.3621740 1502	13.5. i 1038550104 l 121218525 = TAGENTHS END STATE OF THE COLUMN	15.6.3.5	18 2-2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22 3- LONGER 	40921 454638 15465663 16469 2247
HEIGHT (METERS) 0 - 0 . 49 0 . 50 - 0 . 49 1 . 50 - 1 . 99 1 . 50 - 2 . 99 2 . 50 - 2 . 99 2 . 50 - 3 . 99 2 . 50 - 4 . 49 5 . 70 - 4 . 49 TOTAL MEAN HS(M) = 1.93 PHASE WAYE L SHORE PERCEN HEIGHT (METERS)	4.4- 6.1 4.4- 6.1 4.4- 6.1 4.4- 1.5- 1.5- 1.5- 1.5- 1.5- 1.5- 1.5- 1.5	0 1-5 154470 154477 3664131 2 1 - 1 130 7 0 1 130 7 0 1 145 (M) =	9.6-5 2596 2596 251444 1367 38 · 1 1366 177 16 · 17	PER 10D 7 1 1 6 9 8 4 8 6 1 5 8 4 8 6 1 5 8 4 8 6 1 5 8 4 8 6 1 5 8 4 8 7 8 7 8 8 7 8 7 8 7 8 7 8 8 7	(\$113.3621740 1113.3621740 15020598468771 15020598868771 150205988888771 15020598888888888888888888888888888888888	13.1 1 1030550104 10 1160NHB 13.1 1 1030550104 1 TEGNTHB 13.1 1030550104 1 TEGNTHB 13.1 1030550104 1 TEGNTHB 13.1 1030550104 1 TEGNTHB 13.1 103050104 1 TEGNTHB 13.1 103050	15.6.1 	18.2-2 22.2 0 0 MBER 0 5.03 000 MBER 0 15.03 000 TION 18.2-2	22 3- LONGER	76 4097 154230 154230 9558 6463 1603 17024 212 47 = 32745
HEIGHT (METERS) 0 - 0 . 49 0 . 50 - 0 . 49 1 . 50 - 1 . 99 1 . 50 - 2 . 99 2 . 50 - 2 . 99 2 . 50 - 3 . 99 2 . 50 - 4 . 49 5 . 70 - 4 . 49 TOTAL MEAN HS(M) = 1.93 PHASE WAYE L SHORE PERCEN HEIGHT (METERS)	4.4- 6.1 4.4- 6.1 4.4- 6.1 4.4- 1.5- 1.5- 1.5- 1.5- 1.5- 1.5- 1.5- 1.5	0 1-5 154470 154477 3664131 2 1 - 1 130 7 0 1 130 7 0 1 145 (M) =	9.6-5 2596 2596 251444 1367 38 · 1 1366 177 16 · 17	PER 10D 7 1 1 6 9 8 4 8 6 1 5 8 4 8 6 1 5 8 4 8 6 1 5 8 4 8 6 1 5 8 4 8 7 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 7 8 7 8 7 8 8 7 8 8 7 8 7 8 7 8 7 8 8 7	(\$113.3621740 1113.3621740 15020598468771 15020598868771 150205988888771 15020598888888888888888888888888888888888	13.1 1 1030550104 10 1160NHB 13.1 1 1030550104 1 TEGNTHB 13.1 1030550104 1 TEGNTHB 13.1 1030550104 1 TEGNTHB 13.1 1030550104 1 TEGNTHB 13.1 103050104 1 TEGNTHB 13.1 103050	15.6.1 	18222 2.2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22 3- LONGER 	76 4097 154230 154230 9558 6463 1603 17024 212 47 = 32745
HEIGHT (METERS) 0 - 0 . 49 0 . 50 - 0 . 49 1 . 50 - 1 . 99 1 . 50 - 2 . 99 2 . 50 - 2 . 99 2 . 50 - 3 . 99 2 . 50 - 4 . 49 5 . 70 - 4 . 49 TOTAL MEAN HS(M) = 1.93 PHASE WAYE L SHORE PERCEN HEIGHT (METERS)	4.4- 6.1 4.4- 6.1 4.4- 6.1 4.4- 1.5- 1.5- 1.5- 1.5- 1.5- 1.5- 1.5- 1.5	0 1-5 154470 154477 3664131 2 1 - 1 130 7 0 1 130 7 0 1 145 (M) =	9.6-5 2596 2596 251444 1367 38 · 1 1366 177 16 · 17	PER 10D 7 1 1 6 9 8 4 8 6 1 5 8 4 8 6 1 5 8 4 8 6 1 5 8 4 8 6 1 5 8 4 8 7 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 7 8 7 8 7 8 8 7 8 8 7 8 7 8 7 8 7 8 8 7	(\$113.3621740 1113.3621740 15020598468771 15020598868771 150205988888771 15020598888888888888888888888888888888888	13.1 1 1030550104 10 1160NHB 13.1 1 1030550104 1 TEGNTHB 13.1 1030550104 1 TEGNTHB 13.1 1030550104 1 TEGNTHB 13.1 1030550104 1 TEGNTHB 13.1 103050104 1 TEGNTHB 13.1 103050	15.6.1 	18222 2.2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22 3- LONGER 	76 4097 15421 14430 9558 6161 34609 17212 47 = 32745
HEIGHT (METERS) 0 - 0 . 49 0 . 50 - 0 . 49 1 . 50 - 1 . 99 1 . 50 - 2 . 99 2 . 50 - 2 . 99 2 . 50 - 3 . 99 2 . 50 - 4 . 49 5 . 70 - 4 . 49 TOTAL MEAN HS(M) = 1.93 PHASE WAYE L SHORE PERCEN HEIGHT (METERS)	4.4- 6.1 4.4- 6.1 4.4- 6.1 4.4- 6.1 1.1 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	-0 15 15 15 15 15 15 15 15 15 15 15 15 15	9.6-5 2596 2596 251444 1367 38 · 1 1366 177 16 · 17	PER 10D 7 1 1 6 9 8 4 8 6 1 5 8 4 8 6 1 5 8 4 8 6 1 5 8 4 8 6 1 5 8 4 8 7 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 7 8 7 8 7 8 8 7 8 8 7 8 7 8 7 8 7 8 8 7	(\$113.3621740 1113.3621740 15020598468771 15020598868771 150205988888771 15020598888888888888888888888888888888888	13.1 1 1030550104 10 1160NHB 13.1 1 1030550104 1 TEGNTHB 13.1 1030550104 1 TEGNTHB 13.1 1030550104 1 TEGNTHB 13.1 1030550104 1 TEGNTHB 13.1 103050104 1 TEGNTHB 13.1 103050	15.6.1 	1822 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	22.3- LONGER	76 4097 15421 14430 9558 6161 34609 17212 47 = 32745
HEIGHT (METERS) 0. 49 0. 50 - 0. 49 1. 50 - 1. 49 1. 50 - 1. 49 2. 50 - 2. 49 2. 50 - 3. 49 2. 50 - 4. 99 2. 50 - 4. 99 2. 50 - 4. 99 2. 50 - 4. 99 2. 50 - 4. 99 2. 50 - 4. 99 2. 50 - 4. 99 2. 50 - 4. 99 2. 50 - 4. 99 2. 50 - 4. 99 2. 50 - 4. 99 2. 50 - 4. 99 2. 50 - 6. 80 PHASE WAYE SHORE PERCENTERS HEIGHT (METERS)	4.4-0 6.5 1.520 0.65 1	- 0 1.5 - 0	90 5594427798 · 7 7 WATE 6. 59081685462 8 1 7 RYSON 6. 59081685462 8 1 7 8 1 8 1	PEO 1 1 682-1 5 6 ME S A C G H 16 - 7 2 2 9 8 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6	SECONT 1 1 1 3 3 5 3 1 7 4 0 0 N	13. 1 1038550104	1	182 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	22.3- LONGER 	767110811394217 094215661394217 4542516672214 4542514672244 534251672264 7705177 7842451672264 7842451672264 784251672264 784251672264

PHASE WAYE A LAT. SHOREL PERCEN	3 ST 80 PPROACH ANG ON. STAPT= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIV 39.83N/123 169.0 (0 E(X1000) C	WAVE DI E TO SHO L 86W LEG. AZ.)	RECTION RELINE I LAT. LON NATER AND PER	STATIST N DEGRE! END= DEPTH = IOD BY I	CAL SUMMA 51= 105 0 39.71N/123 10.00 11E DIRECTION	PY - 134.9 - 85W TERS	
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8,1- 9 9.5 10	6- 10.6- 15 11.7	D(SECOND 11.8.1 13.3	S } 3.4- 15 15.3 16	4- 18.2- 3.1 22.2	22.3- LONGER	TOTAL
90-1-10221m444h	135 688 135 688 135 688 123	- 55558 2555 11 11558 255 11 1158 255 11 451 20	· · · · · · · · · · · · · · · · · · ·	i 136 160 189	: : : : : : :			01862887584 118469152
MEAN HS(M) ≈ 3.09	LARGES! N	S(M) = 5.8	I PEAN	TP(SEC)	= 9.3	NUMBER C	F CASES =	741
PHASE WAYE LAT L SHOREL PERCEN	3 ST 80 PPROACH ANG ON. START= THE ANGLE = T OCCURRENC	20 YEAR LE(RELATIV 39.83N/123 169.0 (D E(X1000)				[CAL SUMMA 5)= 135.0 39.71N/123 10.00 ME DIRECTION	RY - 164.9 .85W TERS	
HEIGHT(METERS)	4,4- 6,1-	8,1- 9 9.5 10	PERIO 6- 10.6- 11.7	D(SECOND 11.8-1	5) 3.4- 1년 15 국 기원	4- 18.2- 3.1 22.2	22 3- LONGER	TOTAL
- 0.499 - 1.122499 - 1.223499 - 1.22349 -	4.4- 6.1-0 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.5 Tu	0 0	13.3 : : : : : :	15.3 16	0 0	in the state of th	169000000000000000000000000000000000000
MEAN HS(M) = 0.38	LARGEST H	S(M) = 0.8	0 MEAN	TP(SEC)	= 5.2	NUMBER C	F CASES =	16
PHASE MAY: A LAT: A SHORE PERCEN	3 ST ANG PPROACH ANG OH! START = THE ANGLE TO COURRENCE	20 YEAR LE(RELATIV 39.83N/121 169.0 (D E(X1000)	WAVE DI E TO SHO E 86W E G AZ }	RECTION RELINE I LAT. LON WATER AND FER	STATISTI N DEGREE DEDTH = DEPTH = IOD BY T	[CAL SUMMA 53)= 165.0 39.71N/123 10.00 ME DIRECTION	RY - 180.0 :85W TERS	
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8,1- 9 9.5 10	PERIO 6- 10.6- 0.5 11.7	113.3	5) 3.4- 15 15.3 16	4- 18.2- 3.1 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999			· · · · · · · · · · · · · · · · · · ·		: : : : : : :		: : : : : :	00000000000
MEAN HS(M) = 0.	LARGEST H	5(M) = 0.	MEAN	TP(SEC)	= 0.	NUMBER C	F CASES =	0





WIS STATION 80 (39.83N/ 123.86W TO 39.71N/ 123.85W)

						MONT	н						
	JAH	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E5555566666666667777777 E99999999999999999	การกระจ (ค.ศ.)	กท์สกสทางทองพาทรสองที่สาร	782629800621524470870	N6074724750010997001	227-127-1-1227-1-27-1-2222	965549486965475899004	MMOGMOMMOGOGOTOGIA	444000000001400000000	11111111111111111111111111111111111111	94159281959877219177	4900506	พระเรายา เรายา Non-644mm4544m47-646970 Ennuariananananananananan E	
MEAN	3.5	3.5	3.0	2.5	1.9	1.6	1.4	1.3	1.5	2.3	3.1	3.6	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 80 (39.83N/ 123.86W TO 39.71N/ 123.85W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 8355556666666657777777 899999999999999999	94591084065070809514 54656645745544665664	98001680981624587245 5666655644545466645655	57060686868601M4055466	4461m44444m4m4m1m444m	นานเลยาวายการการการการการการการการการการการการการก	การงานการงานการงานการงานการงานการงานการงานการงานการงานการงานการงานการงานการงานการงานการงานการงานการงานการงานกา	07000011010011100000000000000000000000	21025141512127977099701	ณฑณณะเลาหนายสูงเกมาเปลา เมาะเลาหนายสูงเกมาเลาสุดเกมาเลาหนาย	944544694499499949999999999999999999999	782708776956241420060	4150860200059782151

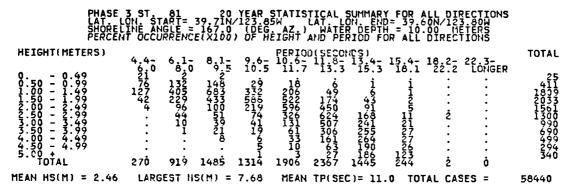
20 YR. STATISTICS FOR PACIFIC STATION 80 (39.83N/ 123.86W TO 39.71N/ 123.85W)

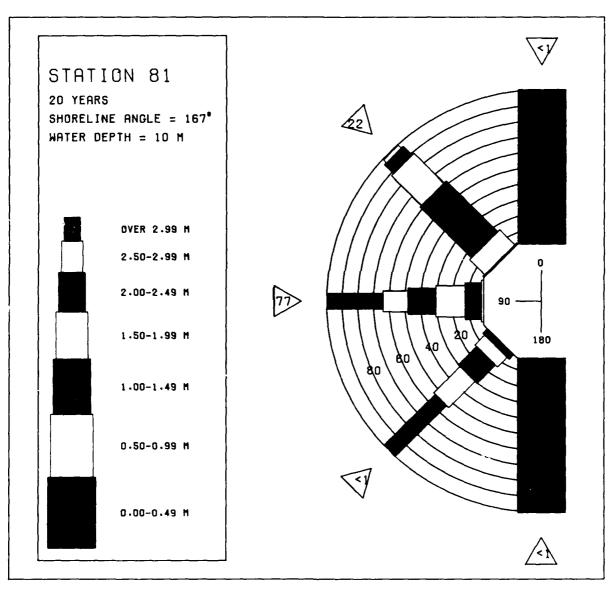
MEAN SIGNIFICANT HAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND . (DEGREES) STANDARD DEVIATION OF WAVE HS STANDARD DEVIATION OF HAVE TP (SECONDS) LARGEST WAVE HS	2.4 11.1 60.0
WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	1.2 2.4 7.7 16.7 82.7
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	69121200

PHASE WAVE A LATE SHOREL PERCEN	3 ST 81 APPROACH A LON. START INE ANGLE IT OCCURRE	NGLE(REL = 39.71N = 167.0 NCE(X100	YEAR WATIVE 123.85	AVE DIR TO SHOR SW AZ)	ECTION ELINE 1 AT. LO: WATER AND PER	STATI N DEG L END DEPTH NIOD B	STICAL REES)= 39.6 Y DIRE	SUMMA 0 0N/123 00 NE CTION	RY - 14.9 TERS	
HEIGHT(METERS)		1- 8.1. 3.0 9.5							22.3- LONGER	TOTAL
99999999999999999999999999999999999999	:	; ; ;	10.5	:	:	:	:		LONGER	0
99999999999999999999999999999999999999	:	: :	:	•	:	:	:	:	:	0000000000
3.50 - 3.49 3.50 - 3.99 4.00 - 4.49	:	: :	:	:	:	:	:	:	• •	000
4:00 - 4:49 4:50 - 4:99 5:00 + TOTAL	Ò		Ġ	Ö	Ö	Ö	Ö	Ġ	Ö	ŏ
MEAN HS(M) = 0.	LARGEST	H\$(M) =	0.	MEAN	TP(SEC) = 0	. NU	MBER O	F CASES =	. 0
PHASE HAYE A LAY SHOREL PERCEN	3 ST APPROACH A ON: START INE ANGLE IT OCCURRE	NGLE(REL = 39.71N = 167.0 NCE(X100								
HEIGHT(METERS)	4,4- 6	1- 8.1- 8.0 9.5	9.6- 10.5	PERIOD 10.6-	(SECONO 11.8- 1)5) 13.4- 15.3	15.4- 18.1	18.2-	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	4,4- 6, 203 730 18 968 66 162 20	8.1- 3.0 9.5 51 .	:	:	:	:	:	:	:	2081 1635 1636 1000 1000
1.50 - 1.99 2.00 - 2.49 2.50 - 2.99	162 29		:	:	:	:	:	:	•	363 12 0
0-1-12-33-4-9 0-1-12-33-4-9 0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	:	: :	:	:	:	:	:	:	•	0
5:00 + TOTAL	2064 106	 	ċ	ò	ò	Ö	ò	ò	ò	ŏ
MEAN HS(M) = 1.10	LARGES1	HS(M) =	2.33	MEAN	TP(SEC) = 5	.9 NU	MBER O	F CASES =	1833
PHASE WAYE A LAYE SHORE PERCEN	3 ST 81 APPROACH A LON. START INE ANGLE IT OCCURRE	NGLE(REL = 39,71N = 167.0 NCE(X100	YEAR WATTYE 123.8!	AVE DIR TO SHOR SW L AZ.) HEIGHT	ECTION ELINE 1 AT. LO! WATER AND PER	STATI IN DEG 1. END DEPTH CIOD B	STICAL REES) = 39.6 = 10.	SUMMA 45.0 0N/123 00 ME CTION	RY - 74.9 .80W TERS	
HEIGHT(METERS)	3 ST 81 APPROACH A LON. START INE ANGLE TOCCURRE	NGLE(REL = 39.71N = 167.0 HCE(X100	YEAR WATIYE	AVE DIR TO SHOR SW AZ ; HEIGHT PERIOD 10;67	ECTION ELINE ATLEN WATER AND PER (SECOND	STATI IN DEG 1. END DEPTH 2100 B	STICAL REES)= 39.6 10. Y DIRE	SUMMA 45.0 0N/123 00 ME CTION	RY 74.9 .80W TERS	TOTAL
HEIGHT(METERS)	3 ST 81 APPROACH AT 11 ST ANGLE IT OCCURRE 4.4-6.0 6	20 100 100 100 100 100 100 100 1	YEAR WATE SE SE SE SE SE SE SE SE SE SE SE SE SE	AVE DIR TO SHORE SHORE HEIGHT PERIOD 101.7 1540	ECTION ELINE 1 AT. LOP MATTER AND PER (SECONI 113.6 304	STATI IN DEG 10 EPTH 10 B 13 4- 15.3	STICAL REES)= = 30.6 = 10.6 Y DIRE	SUMMA 45.0 00 /123 00 ME CTION 18.2- 22.2	RY 74.9 - 00W TERS 22.3- LONGER	
HEIGHT(METERS)	3 ST AR APPROACH DIL STAR IN E ANGLE IT OCCURRE 4.4- 6 6.0 \$ 35 111 2841 179 25 25	20 LN 20 CL	YEAR 86 1 -5 202749 0 1 202749 251	PE SHOP 1 156521 1 156521 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ECTION ELINEON ELINEON AND TPEF AND CO:3 30503 305798	STATI IN DEGD 11. DEGD 12. DEPTH 12. DEPTH 12. DEPTH 12. DEPTH 12. DEPTH 12. DEPTH 12. DEPTH 12. DEPTH 12. DEPTH 12. DEFTH 12. DEFTHH 12. STICAL REES)= 39.6 Y DIRE 15.4- 18.3	SUMMA 45.0 00/123 00 ME CTION 18.2- 22.2	RY 74.9 50W TERS 22.3- LONGER	3355 146475 16475 1074	
HEIGHT(METERS)	3 ST AR 81 APPROACH A 1 APPROACH A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	2RT100 2RT100 1.5098489651 2.5098489651 2.5098489651 2.5098489651 377252955	YETT3166 RRE 86 RF 6.5 10 6037339345 91 2827319345 2517 42515	PEO 154886	EELT TEP OF THE O	SN - 537713482	STICAL REES)= = 19.6 Y DIRE	SUMMA 45.0 0N/123 000 ME CTION 18.2- 22.2	RY 74.9 50W TERS 22.3- LONGER	3355 146475 16475 1074
HEIGHT(METERS) 0.50 - 0.49 0.50 - 0.49 1.50 - 1.49 1.50 - 1.49	3 ST. 81 APPROACH START INE ANGLE 11 OCCURRE 4.4-6.0 35 111 2841 197 225 225	200 L 1 5 5 9 6 7 1 6 4 8 4 8 9 6 7 1 6 4 8 4 8 9 6 7 2 9 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8	YEAR E 866 VA 123	AYE SHOR TO SH	ECTINE ON AN ENTER FEBRUARY AND ECO - 3 30578889122221 2 3342 3 342	TO PER 127744827244214	STICAL REES)= 39.6 Y DIRE 15.4- 18.3 5	SUMMA 45.03 0N/123 CTION 18.2-2 	RY 74.9 50W TERS 22.3- LONGER	
HEIGHT (METERS) - 0.999 - 0.999 - 1.999 - 1.999 - 1.999 - 2.33.949 - 3.499 - 3.499 - 3.500 - 3.499 - 3.500 - 4.99 - 3.500 - 4.99	4.4- 6 6.0 6 35 112 241 197 25 77 		910 30 26177393451 2627742051 10778	PER 100 11.7 1540 15559 465251 468661 13922 1	SECONI 113.61 13.6	13.5 11216539844 12214214	15.4- 18.3 3 5 	18.2-22.2	RY 74.9 580W TERS 22.3- LONGER 	5556852-13514 5367852-13514 546854242517 546854242517
HEIGHT (METERS) - 0.499 - 0.999 - 0.999 - 1.999 - 1.999 - 2.9	4.4- 6 6.0 6 35 112 241 197 25 77 	8 9 1 5 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9	9.6-5 26133-262377339-31-742034-21-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	PERIOD 115-6-0 15-60 141825 141825 141825 141825 141825 14182 1418	111354 35778835 3697788890991222 2588909991222 25889099122 2588909912 2588909912 2588909912 2588909912 2588909912 2588909912 2588909912 2588909912 2588909912 2588909912 2588909912 2588909912 258990912 258990912 258990912 258990912 258990912 258990912 258990912 258990912 258990912 258990912 25890912 25900912 25900912	13.5.5771344827244 12.1442827244 12.1442827244 12.1442827244 12.1442827244 12.1442827244 12.1442827244 13.1442827244 14.1442827244	15.4- 18.1 3 5 11	18.2- 22.2	22.3- LONGER	356481021351 116441751 1074241751 1744241771 1744241771 1744241771
HEIGHT (METERS) - 0.49 - 0.99 - 0.49	4.4-6 6.0 3.5 2844 225 225 225 225 225 225 225 2	8 9 1 5 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9	9.6-5 26133-262377339-31-742034-21-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	PERIOD 1 1 5 4 1 1 1 5 6 0 9 1 1 1 5 6 0 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	113.3 30578830991222 25899991222 27899991222 278999991222 278999991222 278999991222 27899991222 27899991222 27899991222 27899991222 27899991222 27899991222 27899991222 27899991222 2789991222 2789991222 2789991222 2789991222 2789991222 2789991222 2789991222 2789991222 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 2789912 2789912 2789912 278912 27	13.5.5771344827244 12.1442827244 12.1442827244 12.1442827244 12.1442827244 12.1442827244 12.1442827244 13.1442827244 14.1442827244	15.4- 18.1 3 5 11	18.2- 22.2 	22.3- LONGER	505685 505686 10568765 106481041315 107424215 174 107424215 174 174 174 174 174 174 174 174 174 174
HEIGHT (METERS) - 0.499 - 0.9	4.4-0 4.4-0 3.5-1 3.5-1 3.5-1 3.5-1 5.5-5 5.5-7 5.6-7 5.6-7 5.7-7 6.7-7 6.	8 9 1 1 2 2 0 LNC 0 1 1 5 2 9 2 1 1 2 2 1 1 1 2 1 1 1 1 1 1 1 1 1	9.0 30 26137739 281277739 281277739 28127739 28127739 28127739 2812773	PERIOD 1 1 5 4 1 1 1 5 6 0 9 1 1 1 5 6 0 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	113.3 30578830991222 25899991222 27899991222 278999991222 278999991222 278999991222 27899991222 27899991222 27899991222 27899991222 27899991222 27899991222 27899991222 27899991222 2789991222 2789991222 2789991222 2789991222 2789991222 2789991222 2789991222 2789991222 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 2789912 2789912 2789912 278912 27	13.5.3.77.13.482.72.4 12.7.4482.72.4 12.7.4482.72.4 12.7.4482.72.4 12.7.4482.72.4 13.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5	15.4-1 18.3 15 11.3 NU STICAL= = 10.6 Y DIRE	18.2- 22.2 0 0 MBER 0 000110 MBER 0 18.2- 22.2 5	22.3- LONGER 	505685 505686 10568765 106481041315 107424215 174 107424215 174 174 174 174 174 174 174 174 174 174
HEIGHT (METERS) - 0.499 - 0.9	4.4-0 4.4-0 3.5-1 3.5-1 3.5-1 3.5-1 5.5-5 5.5-7 5.6-7 5.6-7 5.7-7 6.7-7 6.	8 9 1 1 2 2 0 LNC 0 1 1 5 2 9 2 1 1 2 2 1 1 1 2 1 1 1 1 1 1 1 1 1	9.0 30 26137739 281277739 281277739 28127739 28127739 28127739 2812773	PERIOD 1 1 5 4 1 1 1 5 6 0 9 1 1 1 5 6 0 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	113.3 30578830991222 25899991222 27899991222 278999991222 278999991222 278999991222 27899991222 27899991222 27899991222 27899991222 27899991222 27899991222 27899991222 27899991222 2789991222 2789991222 2789991222 2789991222 2789991222 2789991222 2789991222 2789991222 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 2789912 2789912 2789912 278912 27	13.5.3.77.13.482.72.4 12.7.4482.72.4 12.7.4482.72.4 12.7.4482.72.4 12.7.4482.72.4 13.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5	15.4-1 18.3 15 11.3 NU STICAL= = 10.6 Y DIRE	18.2-2 2.2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.3- LONGER 	505685 505686 10568765 106481041315 107424215 174 107424215 174 174 174 174 174 174 174 174 174 174
HEIGHT (METERS) - 0.499 - 0.9	4.4-0 3.5-1 3.64-1 3.5-1 3.64-1 5.85-74-2 5.85-74	8 9 1 1 2 2 0 LNC 0 1 1 5 2 9 2 1 1 2 2 1 1 1 2 1 1 1 1 1 1 1 1 1	9.0 30 26137739 281277739 281277739 28127739 28127739 28127739 2812773	PERIOD 1 1 5 4 1 1 1 5 6 0 9 1 1 1 5 6 0 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	113.3 30578830991222 25899991222 27899991222 278999991222 278999991222 278999991222 27899991222 27899991222 27899991222 27899991222 27899991222 27899991222 27899991222 27899991222 2789991222 2789991222 2789991222 2789991222 2789991222 2789991222 2789991222 2789991222 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 27899122 2789912 2789912 2789912 278912 27	13.5.3.77.13.482.72.4 12.7.4482.72.4 12.7.4482.72.4 12.7.4482.72.4 12.7.4482.72.4 13.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5	15.4-1 18.3 15 11.3 NU STICAL= = 10.6 Y DIRE	18.2-2 2.2 0 MBER 0 0 MBER 0 0 MBER 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.3- LONGER 	505685 505686 10568765 106481041315 107424215 174 107424215 174 174 174 174 174 174 174 174 174 174
HEIGHT (METERS) 0.499	4.4.0 3.5.4.1 2.8.4.1 5.8.5 5.8.5 5.8.5 5.8.5 5.8.5 5.8.5 5.8.5 5.8.5 5.8.5 5.8.5 5.8.5 5.8.5 6.8.5	1-5984489651 - 2 = LN00	9.0 30 20173393 20173393451 12557742 20577393451 10776 47173 47173 1006 11006	PERIOD 1 1 5 4 1 1 1 5 6 0 9 1 1 1 5 6 0 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ON: 3 ON:	13.5.3.77.13.482.72.4 12.7.4482.72.4 12.7.4482.72.4 12.7.4482.72.4 12.7.4482.72.4 13.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5	15.4-1 18.3 3.5 11.3 NU STICAL: 2 P. 10.6	18.2.2.2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.3- LONGER 	356481021351 116441751 1074241751 1744241771 1744241771 1744241771

PHASE WAYE AL SHORE IN THE INTERPRETATION OF	4.4- 6.0 137 8	81.NGL1 4RT = 3 5LE = 5 5RENCE 6 .1 - 6 .2 - 7 825 839 8	8.1-5 9.5 3890 12480 149076 517	9.6.5 69112010 240	PERIOD (1 11:7 22227777 277977 295		3.4- 1 15.3 : : : i	5.4- 18.1 :	18 2- 2 22:2	Y 134.9 ERS 2.3- LONGER 0	TOTAL 00600070 187704500 1277324784 848
HEIGHT(METERS) - 0.49 0.50 - 1.99 1.50 - 1.99 2.500 - 2.49 3.50 - 3.49 4.50 - 4.49 4.50 - 4.99 TOTAL	4,4-0 6,5 10,3 	6 ¿1 ō	8	9.6-5 10.5	VE DIRE	SECOMD 13.3	\$) 3.4- 1 15.3	5.47 : : : : :	18.2- 2 22.2 : : : :	2.3- LÖNGER : : : : : :	TOTAL 5000000000000000000000000000000000000
MEAN HS(M) = 1.00 PHASE HAYE LEATH FOR THE PERCENT OF THE PERCENT	-	ANGLIARTE STRENCE					STATIS H DEGR L END= DEPTH IOD BY	TICAL EES)- 396 = 10	SUMMAP 165.0 00/123. 00 MET CTION	Y 180.0 80W ERS 2.3- LONGER	TOTAL 3000000000000000000000000000000000000

MEAN HS(M) = 0.02 LARGEST HS(M) = 0.02 MEAN TP(SEC) = 4.5 NUMBER OF CASES = 2





WIS STATION 81 (39.71N/ 123.85W TO 39.60N/ 123.80W) MONTH

	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC	
YEAS 1995789 1995789 199501 199601 199603 199607 199677 199773 199775	กานการจะอาจานการจะอาจานการจะอาจานการจะอาจานการจะอาจานการจะอาจานการจะอาจานการจะอาจานการจะอาจานการจะอาจานการจะอา	กลงคงคากกลงกลงงงงงกอกปรก	าลของของออกของสายออก พงมารถของของเกิดสายอาการการการการการการการการการการการการการ	360743041750040997001	11-09005770-145099-1950	06M65949606456589004	74-65-427-40-4-65-65-65-67-55-5-5-5-5-5-5-5-5-5-5-5-5-	42555050505050454545750	785024408547075577058	04-เกตะสะครายการส	49.001.00 ค.ศ.ค.ศ.ค.ศ.ค.ศ.ค.ศ.ค.ศ.ค.ศ.ค.ศ.ค.ศ.ค.ศ	อานเกอาไรเกราสูเกรออาเกรอง	M. M. G. 4. 4. 1. 4. 4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.

3.5 3.5 3.0 2.5 1.9 1.7 1.5 1.4 1.5 2.3 3.1 3.6

MEAN

LARGEST HS(METERS) BY MONTH AND YEAR WIS STATION 81 (39.71N/ 123.85W TO 39.60N/ 123.80W) MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	MMD92017-620512020009-420	09-10-104-1-1000450450505050505050505050505050505050	57062575864254251464 446445454464566556665	หลุดเกชลง 4 4 ค.ศ. ค.ศ. ค.ศ. ค.ศ. ค.ศ. ค.ศ. ค.ศ.	อเกิดจะสดงสดาลงสเตอทารเลยเ การณณาการณาการณาการการ	162655555555555555555555555555555555555	<u> </u>	งองเกงเกงสาราสาราสาราชาวัตร ของเกงเกราสาราสาราชาวัตราชาวัตราชาวัตราชาวัตราชาวัตราชาวัตราชาวัตราชาวัตราชาวัตราช	มา407.50.67.60.67.20.55.4.41.5	454994469555555555555555555555555555555	78170877605624012250	405976030995078-1-5-1-

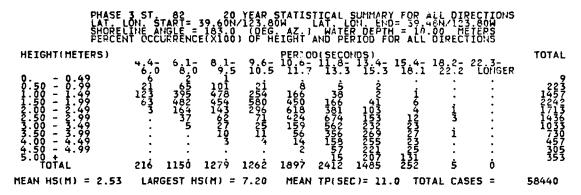
20 YR. STATISTICS FOR PACIFIC STATION 81 (39.71N/ 123.85W TO 39.60N/ 123.80W)

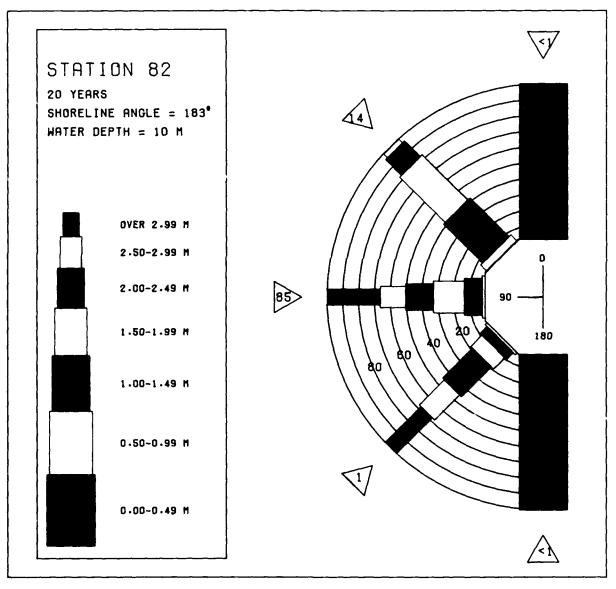
MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2.5
MEAN PEAK WAVE PERIOD TITLE	11.0
MEAN PEAK MAYE PERIOD (SECONDS) MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES) STANDARD DEVIATION OF MAYE HS	60.0
	2:5
	7.7
WAVE TP ASSOCIATED WITH LARGEST WAVE HS AVERAGE DIRECTION_ASSOCIATED_WITH LARGEST WAVE HS (DEGREES)	16.7
STANDARD DEVIATION OF WAVE TP (SECONDS) LARGEST WAVE HS	69121200

PHASE WAYE LATORE PHORE	3 ST. 82 APPROACH AN LON. START= LINE ANGLE NT OCCURREN	GLE(RELAT 39.60N/1 = 183.0 CE(X1000)	AR WAVE DIVE TO SE 23.80W (DEG. AZ. OF HEIGH	IRECTION IORELINE LAT. LOI) HATER IT AND FEI	STATIST IN DEGRI N. END= DEPTH : RIOD BY	TICAL SUMP EES) = 0 39.48N/1; = 10.00 DIRECTION	MARY 23.80W 12.5ETERS	
HEIGHT(METERS)				OD (SECON 7 13.3				TOTAL
99999999999999999999999999999999999999	4.4- 6.1 6.0 8.	ō 89.5 :	9.6~ 10.6 10.5 11	7 13.3	15.3 1	5.4- 18.2 16.1 22.1	22.3- LONGER	0
1:50 - 1:99 2:00 - 2:49		:		:	:		:	Š
99999999999999999999999999999999999999		:		:	:	: :	:	0000000000
4.00 - 4.49 4.50 - 4.99 5.00 +		•	: :	:	•	: :	:	o o
TOTAL MEAN HS(M) = 0.	0 0	Ö HS(M) = 0	0 (I Ö IN TP(SEC	Ó) = 0.	Ů Ů	Ö OF CASES =	0
HEAR HISTHY - U.	LARGEST	(13(11) - 0	. 1127	17(326	, - 0.	HOLDER	OF CASES -	v
PHASE WAYE LAT SHORE PERCE	3 ST 82 APPROACH AN LON. START= LINE ANGLE NT OCCURREN	20 YE GLE(RELAT 39.60N/1 = 183.0 CE(X1000)				TICAL SUMF EES)= 15 39.48N/1; = 10.00 ; DIRECTION	1ARY 10 - 44.9 123.80W 1ETERS	
HEIGHT(METERS)	4,4- 6,1	- 8.1 -	9.6- 10.6 10.5 11.	OD (SECONI 7 13.3	DS) 13.4- 1	5.4- 18.2 18.1 22.	- 22.3- LONGER	TOTAL
001-1-22-1-34 	4.4- 6.1 5.6 8.5 42 15	9.5	10.5 11.	, 13.3 :	15.3	: ::	LUNGER	6 <u>1</u> 57
1.00 - 1.49 1.50 - 1.99 2.00 - 2.49	1 .	•	: :	•	•	:	•	
2.50 ~ 2.99 3.00 ~ 3.49		:	: :	÷	:	: :	:	100000000
4.00 - 4.49 4.50 - 4.99		:		:	:	: :	:	ŏ
5.00 + TOTAL	99 20	Ô	ō ć	ō	Ö	ô ô	Ô	0
0.499 0.500 0.701 0.499 0.500 0.701 0.499 0.500 0.702 0.499 0.500 0.703 0.704 0.700 0.704 0.700 0.704 0.700 0.704 0.700 0.704 0.700 0.704 0.700 0.704 0.700 0.704 0.700 0.704 0.700 0.704 0.700 0.704 0.700 0.704 0.700 0.704 0.700	LARGEST	HS(M) ≈ 1	.03 ME	N TP(SEC) = 5.!	NUMBER	OF CASES =	71
	3 ST 82 APPROACH AN LON. START= LINE ANGLE NT OCCURREN					[ICAL SUM] [ES]= 45 39.48N/1 = 10.00 DIRECTION	1ARY .0 ~ 74.9 23.80W ETERS	
HEIGHT(METERS)								TOTAL
HEIGHT(METERS)		- 8,1 ₅	9.6- 10.6 10.5 11.	OD (SECON 7 13.3	05) 13.4- 1 15.3	[ICAL SUMP EES] = 45 39.48N/1 = 10.00 DIRECTION 5.4- 18.2 18.1 22.1		
HEIGHT(METERS)		- 8,1 ₅	9.6- 10.6 10.5 11.	OD (SECON 7 13.3		5.4- 18.2 18.1 22.		
HEIGHT(METERS)	4.4- 6.1 6.1 159 1216 36348 1216 1434 6.2 1434 1.2 1434	8.1-5 9.7-5 174 234233324097	9.6- 10.6 10.5 11.	OD (SECON 7 13.3	05) 13.4- 1 15.3	5.4- 18.2 18.1 22.		
HEIGHT(METERS)		- 8,1 ₅		OD (SECON 7 13.3	05) 13.4- 1 15.3	5.4- 18.2 18.1 22.		3887835551 3837835551 3837835551
HEIGHT(METERS)	4.4- 6.1 6.0 8.5 1.69 5539 1216 3638 617 4668 22 1434 17 17 17 17 17 17 17 17 17 17 17 17 17 1	8.1- 9.7- 1.7- 5545 233633 4022 113 6715 1	9.6-5 10.6 10.6 22 557.89 144 1957.89 134 1957.89 134	OD (SECON) 7 13.3 5 12220 10021 113.3	05) 13.4- 1 15.3 23 1	5.4- 18.2 18.1 22.1 	22.3- 2 LONGER 	378878355140 37837888252 38830131 17851
HEIGHT (METERS)	4.4- 6.1 6.0 15 16.9 5539 12.16 3638 61.7 4668 22 1434 1. 17 1. 1 2025 10577	8 9154533527713 · · ·	9.6-5 10.6 10.6 22 557.89 144 1957.89 134 1957.89 134	OD (SECON) 7 13.3 5 1.7 27 1000	05) 13.4- 1 15.3 23 1	5.4- 18.2 18.1 22.1 		378878355140 37837888252 38830131 17851
HEIGHT (METERS) 0 - 99 0 - 99 0 - 99 1 - 99	4.4- 6.1 6.0 15 16.9 5539 12.16 3638 61.7 4668 22 1434 1. 17 1. 1 2025 10577	8.1-5 1.74 2.545.53 2.235.62.7 113	PER 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	OD (SECON) 113.5 1220017 100517 124 SEC TIN LER	05)4-31 15.3 23 	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.3- 2 LONGER 	37687783555140 37687783515140 178371818140
HEIGHT (METERS) 0 - 0 - 99 0 - 0 - 99 0 - 0 - 99 1 - 0	4.4-6.1 6.0 159 16.9 5534 6.17 36688 2.14247 2.14247 	8 1 5 9 7 17 23 7 23 3 6 2 7 1 3 40 2 7 1 3 6 7 1 5 1 HS(M) = 4 CE(60 N/1 2 CE(80 N/1 2	PER 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	OD (SECON) 113.5 1220017 100517 124 SEC TIN LER	05)4-31 15.3 23 	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.3- LONGER 	338 3788 3783 3783 3783 3783 3783 3783
HEIGHT (METERS) 0 - 0 - 99 0 - 0 - 99 0 - 0 - 99 1 - 0	4.4-6.1 6.0 159 16.9 5534 6.17 36688 2.14247 2.14247 	0 1.5 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	PER 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	OD (SECON) 113.5 1220017 100517 124 SEC TIN LER	05)4-31 15.3 23 	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.3- LONGER 	37687783783783783551240 1783783783551240 13142
HEIGHT (METERS) 0 - 0 - 99 0 - 0 - 99 0 - 0 - 99 1 - 0	4.4-6.1 6.0 159 16.9 5534 6.17 36688 2.14247 2.14247 	0 1.5 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	PER 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	OD (SECON) 113.5 1220017 100517 124 SEC TIN LER	05)4-31 15.3 23 	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.3- 2 LONGER 0 0 OF CASES =	37687783783783783551240 1783783783551240 13142
HEIGHT (METERS) 0 - 0 - 99 0 - 0 - 99 0 - 0 - 99 1 - 0	4.4-6.1 6.0 159 16.9 5534 6.17 36688 2.14247 2.14247 	0 1.5 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	PER 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	OD (SECON) 113.5 1220017 100517 124 SEC TIN LER	05)4-31 15.3 23 	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.3- 2 LONGER 0 0 OF CASES =	37687783783783783551240 1783783783551240 13142
HEIGHT (METERS) 0	4 4 0 6 1 5 5 3 6 8 9 9 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 ETAL 1 1 52 15542609713 · 5 = YAN 0 1 5 152084087 · 5 22 441372851 · 6 (M C 68) 1 · 6 12084087 · 6 (M C 68) 1 · 6 (M	PER 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	COD (SECON) 7 13.3.5 1.27 1.000 1.00	05)4-31 15.3 23 	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.3- 2 LONGER 0 0 OF CASES =	37687783555140 37687783515140 178371818140

MEAN HS(M) = 2.78 LARGEST HS(M) = 7.20 MEAN TP(SEC) = 12.0 NUMBER OF CASES = 44422

PHASE WAVE AI LAT L SHORE PERCEN	3 ST 82 PPPOÁCH ANO DN. START= INE ANGLE: T OCCURRENC	20 YE SLE(PELAT 39.60N/1 183.0 E(X1000)	AR WA IVE T 23.80 (DEG.	VE DIR O SHOR L AZ.) EIGHT	ECTION ELINE I AT LON WATER AND PER	STATIS H DEGE ENDS DEPTH LOD BY	TICAL EESI= 39.48 = 10.0	SUMMAR 105.0 N/123. 0 MET	Y ~ 134.9 80W ERS	
HEIGHT(METERS)	4,4- 6,1 6.0 8.0	8,1 <u>-</u> 9.5	9.6- 10.5	PERIOD 10,67	(SECOND 11.8- 1 13.3	§) 3.4- 1	5.4~ 1 18.1	8.2- 2 22.2	2.3- LONGER	TOTAL
0.499 0.499 0.499 1.500 - 1.223 0.5000 - 1.223 0.5000 - 2.499 0.5000 - 2.499 0.5000 - 4.499 0.5000 - 4.499 0.5000 - 4.499 0.5000 - 1.499 0.5000 . 3 8 25 6 46 3 114 . 63 . 11 	652440 199743 13 · 401	56459053 24	154652 6 254652 6	23711 23711 0	16			· · · · · · · · · · · · · · · · · · ·	091-10986047 6-1305572 1-3322-1	
MEAN HS(M) = 2.79	LARGEST)	4S(M) = 5	5.39	MEAN	TP(SEC)	= 9.	.5 NUM	BER OF	CASES =	771
PHASE WAVE LAT LE SHOREL FERCEN	3 ST . 82 PPROACH ANO ON. START= INE ANGLE : T OCCURREN	20 YE LE(RELAT 39.50N/1 183.0 E(X1000)					STICAL REES)= = 39.48 = 10.0 (DIREC	SUMMAR 135.0 N/123. O MET	Y - 164.9 80W ERS	
HEIGHT(METERS)	4.4- 6.1. 6.0 8.0	8 à 1 - 9 . 5	9.6- 10.5	PERIOD	(SECOND 11.8- 1 13.3	5) 3,4- 1	5.4- 1 18.1	8.2- 2 22.2	2.3- LONGER	TOTAL
0.4999999999999999999999999999999999999	4.4- 6.1 5 6.1 1 11 8 11 8									19298000000
5.00 + CUTAL	13 36	ò	Ö	Ċ	Ò	ò	Ġ	Ò	Ô	a
	LARGEST I 3 ST. 82 PPROACH AN ON. STARTE INE ANGLE: T OCCURREN		AR WA IVE T 23.80 (DEG.	VE DIR O SHOR W L AZ.)		STATÍS N DEGR END: DEPTH 100 BY	STICAL REES)= = 39.48 = 10.0	SUMMAR 165.0 N/123. O MET	CASES = Y	32
HEIGHT(METERS)	4,45 611 610 81	8,15	9.6- 10.5	PERIOD 10.57	(SECOND 113.3	5) 3.4- 1 15.3	15.4- 1 18.1	8.2- 2	2.3- LONGER	TOTAL 1
99999999999999999999999999999999999999				:	:					0000000000
2334.99 2334.99 2334.99 2334.99		:	:		:	:	:	:	:	0
TOTAL	i ò	ò	Ò	Ò	Ġ	ò	Ġ	Ġ	Ö	0
MEAN HS(M) = 0.07	LARGEST I	45(M) = 0	7.07	MEAN	TP(SEC)	= 4.	B NU	BER OF	CASES =	1





WIS STATION 82 (39.60N/ 123.80W TO 39.48N/ 123.80W)

HONTH

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 82 (39.60N/ 123.80W TO 39.48N/ 123.80W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	5722957421542471021 5466564575554456666	79111130948778427816	9819109016400415644 4464464654645665466	446574445777469489	กทางกางจากรากระบางการการการการการการการการการการการการการก	mananamamananamamamamamamamamamamamamam	นองงานาเกรารงองปราชอออ	15000000000000000000000000000000000000	จะกับสายการของการของเกองสายการของเกองสายการของเกองสายการของเกองสายการของเกองสายการของเกองสายการของเกองสายการขอ	47918692M47067476769	961866807495599120160	4050545055000760004

20 YR. STATISTICS FOR PACIFIC STATION 82 (39.60N/ 123.80W TO 39.48N/ 123.80W)

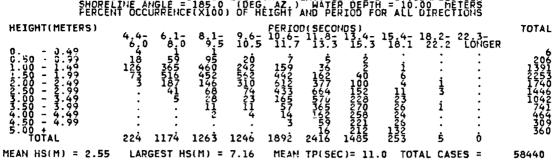
MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2.5
MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	1 1.8
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	1.1 2.5 7.2
LARGEST WAVE HS (METERS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS)	17.2
LARGEST WAVE HS (METERS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	69121121

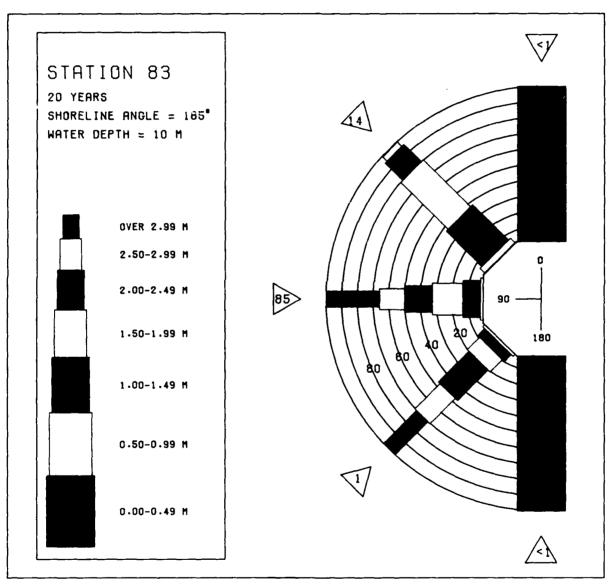
WAVE LAT SHOPE PERCE	3 ST 83 APPROACH AI LON. START LINE ANGLE NT OCCURRE	20 Y NGLE(RELA = 39.48N/ = 185.0	EAR WAVE TIVE TO S 123.80W (DEG. AZ	DIRECTION HORELINE] LAT. LO! .) WATER	STATISTICA (N DEGREES) 1. END= 39. DEPTH = 10	L SUMMARY 35N/123.81 600 METER	14.9 IS
HEIGHT(METERS)							TOTAL
99999999999999999999999999999999999999	4.4- 6. 6	1- 8 1- 5 :	0.6- 10.5 10.5 11	7 13.3 : : : : : : :	(S) 15.3 16.1 15.3 16.1 		3- FIGER 000000000000000000000000000000000000
MEAN HS(M) = 0.	LARGEST	HS(M) =	0. ME	AN TPESEC) = 0. 1	TUMBER OF C	CASES = 0
PHASE WAYE LATE SHORE SHORE PERCE HEIGHT(METERS)	3 ST 83 APPROACH A LON START LINE ANGLE HT OCCURRE						
99999999999999999999999999999999999999	4.4- 6 8 4.60 8 2.9		9.6- 10. 10.5 11	6-11-8-3	(\$) 15.3 16.1	18.2- 22 22.2 LC	3- NGER 492 - 320 - 000 - 000
TOTAL MEAN HS(M) = 0.45		6 0 HS(M) = 1	Ö	Ó Ó AN TP(SEC:	0 0 0 = 5.4 N	Ö IUMBER OF C	Ö
	3 ST 83 APPROACH A LON START LINE ANGLE NT OCCURRE						
HEIGHT(METERS)							TOTAL
0. 499 0. 499 0. 499 0. 500 0.	4.4-0 6.10 15.57 17.13 25.1 25.1 25.1 25.1 25.1 25.1 25.1 25.1	8 9 1 5 4 3 2 0 4 3 2 0 1 8 9 4 9 9 1 3 3 6 6 4 3 3 1 5 6 6 4 3 3 1 5 6 6 4 3 1 5 6 6 6 4 3 1 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		IOD (SECOND	15.4-15.4- 15.3 18.1 11 : : : : : : : : : : : : : : : : : :		
	4.4-0 6 8 15 49 1247 328 25 165 25 1	8 9 1 1 5 4 1 1 2 0 8 4 1 3 2 0 8 4 1 3 2 0 8 4 4 9 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	9.6-5 10 10.5 11 438 10 438 15 400 12 7 6 6 2 1388 59	IOD (SECOND	25) 15.3 15.4 15.3 16.1 11 : 1 : 1 : 22 0	18,2- 22, 22.2 Lo	TOTAL
0.500 112.500 24.500 34.500	4.4-0 6 8 15 49 1247 328 25 165 25 1	1 - 0	910.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	100 (SECON) 10-7 13 3 6873288 6873288 8 5 5 8 10 10 10 10 10 10 10 10 10 10 10 10 10	22 0 25 7.7 N	0 18.2- 22.2 LC	TOTAL STATE TOTAL TO
0.500 - 123.399 2.500 - 3.999 2.500 - 3.999 2.500 - 3.999 3.500 - 4.99 4.500 - 4.99 5.00 - 4.49 5.00 - 4.49 MEAN HS(M) = 1.69	4.4-0 6.6 15.5 4.9 1547 3288 25 1625 2141 1070 LARGEST	1-0 8-0 1-5 1-5 1-5 1-5 1-5 1-5 1-5 1-5	910.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	100 (SECON) 10-7 13 3 6873288 6873288 8 5 5 8 10 10 10 10 10 10 10 10 10 10 10 10 10	25) 15.3 15.4- 15.3 18.1 11	0 18.2- 22.2 LC	TOTAL STATE TOTAL TO

MEAN HS(M) = 2.77 LARGEST HS(M) = 7.16 MEAN TP(SEC) = 12.0 NUMBER OF CASES = 45510

PHASE A WAVE A LAT SHOREL PERCEN	ST. 83 PPPOACH A ON. STAPT INE ANGLE CCCURRE	NGLE(REL = 39.48N = 185.0 NCE(X100	YEAR WATIVE				TICAL EES)= 10 DIRE	SUMMAR 105 50/12 00 MET CTION	134.9 81W ERS	
HEIGHT(METERS)	4,4- 6 6.0 8	1- 8,1- 0 9.5	9.6- 10.5	PERIOD 10.6- 11.7	(SECOND)\$) l3.4- 1 15.3	5.4- 18.1	18.2- 2 22.2	2 3- LONGER	TOTAL
0.499 	i 24 6 24 1 10 . 15 	: 38 : :	15542703	16564275.	· · · · · · · · · · · · · · · · · · ·	· · · ·	:		: : : :	0-405-1774498 1601-1030-00 1730-1
TOTAL MEAN HS(M) = 2.75	14 25 LARGEST	4 390 H5(M)≈	205 5.32	277 MEAN	113 TP(SEC	1Š) = 9.	0 5 NU	Ö MBER OF	0 CASES ≈	756
PHASE A WAYE A LAT LL SHOPEL PERCEN	3 ST. 83 PPROÁCH Á DN. START INE ÁNGLE T OCCURRE	NGLE(REL = 39.48N = 185.0 NCE(X100	YEAR WATIYE /123.8 (DEG 0) OF I	AVE DIR TO SHOR OW L AZ] HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIS IN DEGR 1. END: DEPTH RIOD BY	TICAL EES)= 393 = 10 DIRE	SUMMAR 135.0 5N/123. 00 ME1 CTION	14 - 164.9 81W ERS	
HEIGHT(METERS)	4,4- 6 6.0 8	1- 8;1- .0 9.5	9.6- 10.5	PERIOD 10.6-	13.3	(5) (3,4- 1 15,3	5.4- 18.1	18.2- 2	2.3- LONGER	TOTAL
0.4999999999999999999999999999999999999	3 1 6 : : : :	6566			· · · · · · · · · · · · · · · · · · ·					98 184 160 00 00 00
MEAN HS(M) = 1.41	LARGEST	HS(M) =	2.18	MEAN	TP(SEC)) = 6.	6 NU	MBER OF	CASES =	30
PHASE ALAYE LATOR EL SHOREL FERCEN	3 ST 83 PPROÀCH A DN. START INE ANGLE T OCCURRE	20 NGLE(REL 39.48N = 185.0 NCE(X100	YEAR WATIVE /123.80 O) OF I				TICAL EES)= 39.3 = 10.	SUMMAR 165.0 5N/123. 00 ME1 CTION	Y - 180.0 81W ERS	
HEIGHT(METERS)	4.4~ 6.6 8	1- 8.1-	9.6- 10.5	PERIOD 10.6-	(SECOND	(§) (3.4- 1 15.3	5.4- 18.1	18,2- 2	2.3- LONGER	TOTAL
99999999999999999999999999999999999999			10.5	:	:	:		:	LUNGER :	0000000000
4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL MEAN HS(M) = 0.	-		:	0	TP(SEC :	: ; ; = 0.		: : 0	; 0 CASES =	•

PHASE 3 ST. 83 .20 YEAR STATISTICAL SUMMARY FOR ALL DIRECTIONS LAT. LON. START = 39.48N/123.80W LAT. LON. END= 39.35N/123.81W SHORELINE ANGLE = 185.0 DEG. AZ.) HATER DEPTH = 10.00 TRETERS FERCENT OCCURRENCE(X100) OF HEIGHT AND PERIOD FOR ALL DIRECTIONS





WIS STATION 83 (39.48N/ 123.80W TO 39.35N/ 123.81W)

HTHOM

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E955566666666777777 E999999999999999999999	1877168667194687000170	ชาวาย เล่าสาย	าลูทางเอองงเลอเมืองคำ-เลอง ๑ฉ	47-1044กาๆเกลงเลยกากกลกาดเกาะเก	NATION 00 00 00 00 00 00 00 00 00 00 00 00 00	17:5770507215:69791225	155076465268607849007	64657-1687-17-18-16-17-18-18-18-18-18-18-18-18-18-18-18-18-18-	19-69-450007-6803-6605-17-9	อ 4าเมา48104 การ 48ทางเกเน	มิดาสเด็จกระเทศ	86506M345-7-040844-109	Managananananananananan M
MEAN	3.4	3.5	3.1	2.7	2.1	1.8	1.7	1.5	1.7	2.4	3.2	3.6	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 83 (39.48N/ 123.80W TO 39.35N/ 123.81W)

MONTH

	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 85555666666666777777 E999999999999999999999	5466564575554454566665	791113284977842m8457	90-19-100000000000000000000000000000000	ขอบทองประการการบายการการการการการการการการการการการการการก	กตาสกาสตาสการเกาะการการการการการการการการการการการการการก	กอเกอกอเกาอเลยเทคอาการจ	ณาการการการการการการการการการการการการการ	มารายารายารายารายารายารายารายารายารายารา	จะกับสายสายสายสายสายสายสายสายสายสายสายสายสายส	489187928188058475759	<u> </u>	4050545055060760605

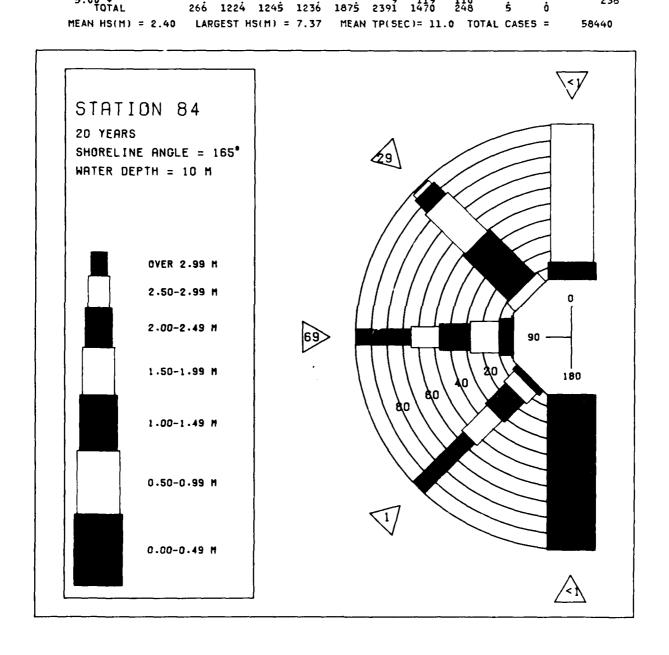
20 YR. STATISTICS FOR PACIFIC STATION 83 (39.48N/ 123.80W TO 39.35N/ 123.81W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD MOST FROM 1 30 0 FGPFF (CFNTFP) OTPFCTTON BAND (SECONDS) MOST FROM 1 30 0 FGPFF (CFNTFP) OTPFCTTON BAND (SECONDS)	2.5 11.0 90.0
MEAN PEAK WAVE PERIOD MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES) STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS) LARGEST WAVE HS	1.1 2.5 7.2
LARGEST WAVE HS 1010 OF MAYE IT	16.7 82.7 64012000

PHASE WAYE LAT SHORE PERCE	3 ST 84 APPROACH A LON. START LINE ANGLE NT OCCURRE	NGLE(RELA = 39.35N/ = 165.0 NCE(X1660	EAR WA TIVE T 123.81 (DEG.) OF H	VE DIR O SHOR W AZ) EÎGHT	ECTION ELINE I AT. LON WATER AND PER	STATI N DEG DEPTH DEPTH 100 B	STICAL REES := 39.2 10.2 Y DIRÉ	SUMMA 1N/123 00 ME CTION	ARY - 14.9 5.78W TEPS	
HEIGHT(METERS)	4.4- 6.	1- 8;1- .0 9.5	9.6- 10.5	FERIOD	(SECOND	5) 3.4-	15.4-	18,2-	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	· · · · · · · · · · · · · · · · · · ·			· · · · · ·		· · · · · · · · · · · · · · · · · · ·	·	· · · · · · · · · · · · · · · · · · ·		000000000000000000000000000000000000000
MEAN HS(M) = 0.	LARGEST	HS(M) =	σ.	MEAN	TP(SEC)	= 0	. NU	MBER C	F CASES =	: 0
PHASE WAYE LAT SHORE PERCE HEIGHT(METERS)	3 ST 84 APPROÀCH A LON. START LINE ANGLE NT OCCURRE									TOTAL
	4.4- 6.0 8	1- 8.1- 0 9.5	9.6- 10.5	10.6-	(SECOND	3,4- 15.3	15.4- 18.1	18.2 <u>-</u> 22.2	22.3- LONGER	
99999999999999999999999999999999999999	4.4- 6. 6.0 8 265 28 1629 305 515 367				•		•			3275-41600000 57234 44374
TOTAL MEAN HS(M) = 1.47	2412 734	5 178 HS(M) =	0 2.79	0 MEAN	0 TP(SEC)) = 6	.6 NU	0 MBER C	0 OF CASES =	5809
P' ASE MAYE LATE SHORE PERCE	3 ST 84 APPROÀCH AI LON START LINE ANGLE NT OCCURREI	YGLE(RELA = 39.35N/ = 165.0 yce(X1000	EAR WA TIVE T 123.81 (DEG.) OF H	VE DIR O SHOR N L AZ. } EIGHT	ECTION ELINE I AT. LON HATER AND PER	STATI N DEG END DEPTH IOD B	STICAL REES)= = 39.2 = 10.	SUMMA 45.0 10/123 00 ME CTION	RY 74.9 78W TERS	
P'ASE HAVE LAT SHORE PERCE HEIGHT(METERS)				VE DIR O SHOR WAZ) EIGHT PERIOD 10.6-	ECTION ELINE I AT LON HATER AND PER (SECOND 11.8-1	STATI N DEG DEPTH IOD B	STICAL REES)= = 39.2 = 10. Y DIRE	SUMMA 45.0 10.123 00 ME CTION 18.2-	RY - 74.9 TERS	TOTAL
	4.4-0 6 8 1 565 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 2		910 143 28727991 2852263155 ·	PER 16.7 17661019008	(SECOND	160HB -3 150HB	STES910E CS):0:2 CS):0:2 CS):0:3 CS):0	SUMMA 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22.3- LÖNGER	TO 2000000000000000000000000000000000000
HEIGHT (HETERS)	4.4- 6 8 1 56 1 1 56 1 1 2 0 8 3 3 1 2 0 4 3 9	8 9 2 7 0 5 2 7 0 5 2 7 0 5 2 7 0 5 2 7 0 5 2 7 0 5 2 7 0 5 2 7 0 7 1 1 2 3 3 5 1 2 3 3 3 5 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	9.6-5 10.14 2873779 1855855 1075 1	PER 100 11 1 7 176510 176628019 276627 27662	SE 3177366854776449	551 235920066730 22662226552	15.4-11.33.63.35.6	18.2~2 22.2	22.3- LONGER 	71842482314 39863995108 20639884115 206398951108
HEIGHT (METERS) 0 499 10 499 10 499 10 499 10 10 499 10 10 10 10 10 10 10 10 10 10 10 10 10 1	4.4- 6 8 1 56 1 1 56 1 1 2 0 8 3 3 1 2 0 4 3 9	1.0 8 9.1 -5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	910 9437799165 · · · · · · · · · · · · · · · · · · ·	PER 6.7 176558019008 6 1 196580527 8 2 2 A M IRR 196827 8 2 3 A G H IRR VOW A G H IRR VOW E IR IRR	(11 4564546254 6) NO. 18 156456254 6 9 5 10 10 10 10 10 10 10 10 10 10 10 10 10	SPIT 20016/J1692000 0 HGDHB	15.6 3.7 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.0 SE	18 2- 22 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22.3- LONGER : : : ó of CASES =	71842482374 30368999510888 304689995110888 304689951115
HEIGHT (METERS) 0 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 1 - 99 2 - 1 - 99 2 - 1 - 99 3 - 1 - 99 4 - 99 4 - 99 4 - 50 TOTAL MEAN HS(H) = 2.26 PHASE WAYE SHORE HEIGHT (METERS)	4.4-6 8 6.0 8 1 56 1 56 1 20 1 84 20 439 LARGEST AFPROACH AL LINE ANGLE NT CCCURRE	1.0 8 9.1.5 9.27.50.50.184.53.5 1.00.85.31.2 3.1.2 3	910 9437799165 · · · · · · · · · · · · · · · · · · ·	PER 6.7 176558019008 6 1 196580527 8 2 2 A M IRR 196827 8 2 3 A G H IRR VOW A G H IRR VOW E IR IRR	(11 4564546254 6) NO. 18 156456254 6 9 5 10 10 10 10 10 10 10 10 10 10 10 10 10	SPIT 20016/J1692000 0 HGDHB	15.6 3.7 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.9 NO L=2.2 SEE 3.0 SE	18 2- 22 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22.3- LONGER : : : ó of CASES =	71842482314 39863995108 20639884115 206398951108
HEIGHT (METERS) 0 499 10 499 10 499 10 499 10 10 499 10 10 10 10 10 10 10 10 10 10 10 10 10 1	4.4-0 6.8 1.565.120 1.72 1.20 4.39 1.20 4.39 1.20 4.39 1.20 4.39 1.20 4.39 1.20 4.39 1.20 4.4-0 6.0 6.0 6.0 1.32 1.32 1.32 1.32 1.32 1.32 1.32 1.32	8 9 27 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	910 972226355 · 5 2 W 865 6 · 736808786 · 3 2560751 0 · 872226351 1 6 · 872300 9 · 0 2560751 0 1 2560751 0 1 2722 1 0 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	P101 14552 6 M RRL P101 1256194531 7 P101 14552 6 W R I I I I I I I I I I I I I I I I I I	11 456-15072 4 P CLT AN E 13 8730007833 11 456-150772 7 T EELA AN S11 64782007833 11 456-150772 7 T EELA AN S11 6477822 6	SPIN CARROLLONG TO TENTE TO THE TOTAL PROCESS OF TH	151 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1822 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2	22.3- LONGER : : : : : : : o	7-1842/482/3-7-4 3-30-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7

PHASE AND AND AND AND AND AND AND AND AND AND	S ST. 84 PPROACH AN DN. START= INE ANGLE COCCURREN	SLE(RELA 39.35N/ = 165.0 CE(X1000	TEAR WA TIVE T 123.81 (DEG.	VE DIR O SHOR NAZ.) IEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIS N DEGR END= OEPTH IOD BY	TICAL S EES)= 1 39.21N = 10.00 DIRECT	UNMARY 05.0 1/123. METE ION	134.9 78W RS	
HFIGHT(METERS)	4.4- 6.1 6.0 8.	ō 8;15		PERIOD 10.6-			5.4- 18 18.1 2		3- LONGER	TOTAL
0.50 - 0.49 0.50 - 1.49 1.50 - 1.49 2.50 - 2.49 2.50 - 2.49 3.50 - 4.49 4.50 - 4.99 5.00 - 4.99 5.00 - 4.99	25 34 327	5 1	1712140 10652 306	23777730 2377730 24	· · · · · · · · · · · · · · · · · · ·			: : :		03309441117 3050143517 123321
MEAN HS(M) = 3.05		HS(M) =			TP(SEC)	= 9.	1 NUMB	-	CASES =	872
PHASE MAYE A LAT SHJPEL PERCEN	ST. 84 PPROACH AN ON. START: I'E ANGLE T OCCUPREN	GLE(REL 39.35N/ 165.0 CE(X1000							1 164.9 784 EPS	
HEIGHT(METERS)	4.4- 6.1 6.0 8.	ō 8915	9.6- 10.5	PERIOD 10.6- 11.7	SECOND 11.8-1	S) 3.4- 1 15.3	5.4- 18 18.1 2	2- 2	3- ONGER	TOTAL
0.4999999999999999999999999999999999999	9 16		: : : :							1383000000
MEAN HS(M) = 1.47	LARGEST	H5(M) =	2.20	MEAN	TP(SEC)	= 6.	2 NUME	ER OF	CASES =	16
PHASE WAYE A LAT LL SHOPERCEN	ST. 84 PROACH AN ON. STAPTE LIE ANGLE COCURREN	GLE(REL) GLE(REL) 39.35N/ = 165.0 CE(X1000	(EAR WA (TIVE 1 (123.8) (DEG.	VE DIR O SHOR L AZ.) HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIS N DEGR DEPIH DEPIH IOD BY	TICAL S EES)= 1 39.21 = 10.00 DIRECT	UMMARY 65.0 1/123 1/123 1/101	1 180.0 78W ERS	
HEIGHT(METERS)	4,4- 6.1 6.0 8.	0 8,1-	9.6- 20.5	PERICO 10.6- 11.7	SECOND 11.8-1	5) 3.4- 1 15.3	5.4- 18 18.1 2	2- 2	3- ONGER	TOTAL
0 0.49 0.50 - 0.49 1.50 - 1.49 1.50 - 2.49 2.50 - 2.49 3.50 - 3.99 3.50 - 4.49 4.50 - 4.99 5.00 + 10000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000 + 1000	ÖÖÖ	: : : : :		ò			i i i	Ö		0000000000
MEAN HS(M) = J.	LARGEST	HS(M) =	0.	MEAN	TP(SEC)	= 0.	NUME	ER OF	CASES =	0

PHASE 3 ST. 84 20 YEAR STATISTICAL SUMMARY FOR ALL DIRECTIONS SHORELINE ANGLE = 165.0 (DIRECTIONS PERCENT OCCURRENCE(X100) OF HEIGHT AND PERIOD FOR ALL DIRECTIONS HEIGHT(METERS) 4.4- 6.1- 8.1- 9.6- 10.5- 11.8- 13.4- 15.4- 18.2- 22.3- 10.5- 10.5- 11.6- 11.8- 13.1- 15.4- 18.2- 22.3- 10.5- 10.5- 11.6- 11.8- 13.1- 15.4- 18.2- 22.3- 10.5- 10.5- 11.6- 11.8- 13.1- 15.4- 18.2- 22.3- 10.5- 10.5- 11.6- 11.8- 13.1- 15.4- 18.2- 22.3- 10.5- 10.5- 11.6- 11.8- 13.1- 15.4- 18.2- 22.3- 10.5- 10.5- 11.6- 11.8- 13.1- 15.4- 18.2- 22.3- 10.5- 10.5- 11.6- 11.8- 13.1- 15.4- 18.2- 22.3- 10.5- 10.5- 11.6- 11.8- 13.1- 15.4- 18.2- 22.3- 10.5- 10.5- 11.6- 11.8- 13.1- 15.4- 18.2- 22.3- 10.5- 10.5- 11.6- 11.8- 13.1- 15.4- 18.2- 22.3- 10.5- 10.5- 11.6- 11.8- 13.1- 15.4- 18.2- 22.3- 10.5- 10.5- 11.6- 11.8- 13.1- 15.4- 18.2- 22.3- 10.5- 13.1- 15.4- 18.2- 22.3- 13.1- 15.4- 18.2- 22.3- 10.5- 13.1- 15.4- 18.2- 22.3- 10.5- 13.1- 15.4- 18.2- 22.3- 10.5- 13.1- 15.4- 18.2- 22.3- 10.5- 13.1- 15.4- 18.2- 22.3- 10.5- 13.1- 15.4- 18.2- 22.3- 10.5- 13.1- 15.4- 18.2- 22.3- 10.5- 13.1- 15.4- 18.2- 22.3- 10.5- 13.1- 15.4- 18.2- 22.3- 10.5- 13.1- 15.4- 18.2- 22.3- 13.1- 15.4- 18.2- 22.3- 15.4- 18.2- 22.3- 15.4- 18.2- 22.3- 15.4- 18.2- 22.3- 15.4- 18.2- 22.3- 15.4- 18.2- 22.3- 15.4- 18.2- 22.3- 15.4- 18.2- 22.3- 15.4- 18.2- 22.3- 15.4- 18.2- 22.3- 15.4- 18.2- 22.3- 15.4- 18.2- 22.2- 15.1- 18.2- 18.2- 18.2- 18.2- 18.2- 18.2- 18.2- 18.2- 18.2- 18.2- 18.2- 18.2- 18.2- 18.2



MEAN HS(METERS) BY MONTH AND YEAR WIS STATION 84 (39.35N/ 123.81W TO 39.21N/ 123.78W)

MONTH

JAN FEB HAR APR MAY JUN JUL AUG SEP OCT NOV DEC

***Control of the control of the

LARGEST HS(METERS) BY MONTH AND YEAR WIS ST/TION 84 (39.35N/ 123.81W TO 39.21N/ 123.78W)

1.9 1.7 1.6 1.4 1.6

2.2 3.0 3.4

HTHOM

MEAN

3.3 3.3 2.9 2.5

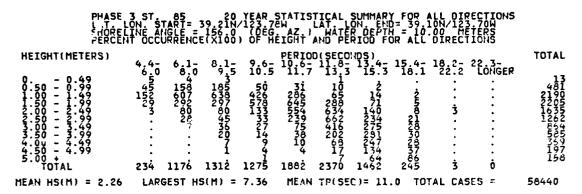
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	МОЛ	DEC
YEAR 1956 1957 1958	5.0 4.3 6.2	5.7 6.8 5.8	5586	3 · 3 4 · 3 6 · 4	3.0	3243	2050	20000000	2.7	3.5 4.4 4.6	3.7 5.2 6.1	45.1
1959 1960 1961 1962 1963	65.238 65.45	78116	745.67	16987	-8-6-22 -8-6-22	122222	10030	22157	31232	73252 45446	55454	5.7 5.3 5.1 6.1
1964 1965 1966 1967	7.29	4545	4.3	43333	3.7	3.0	3.5 2.1 1.9	210828	5257	3.085.0	554510	93957
1968 1969 1970 1971 1972	••• •• •• •• •• •• •• •• •• •• ••	96645	46654	555554	23.70	22223	3.22.29	2.80 2.00 3.00	32233	44.14.2	5488	7.5
1973 1974 1975	6.3 6.2 5.1	5.3813	5.45	7452	3.2	4.0 3.1 2.6	2.6	2.0	3.2	3.5	05.5 5.6	65.89 54.99

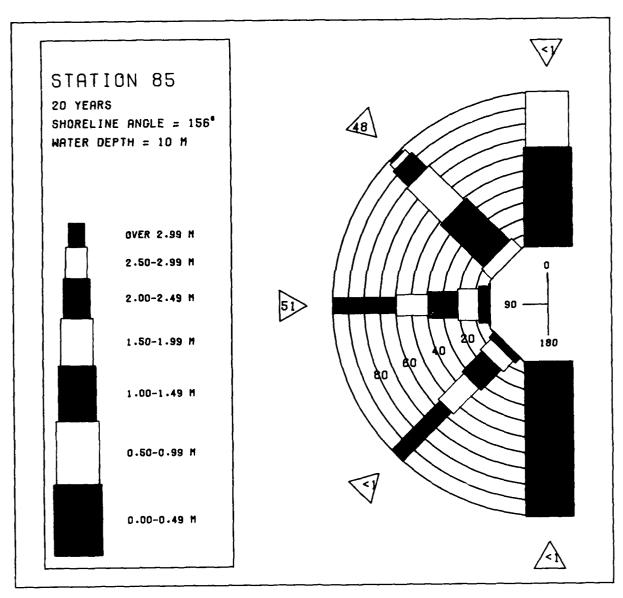
20 YR. STATISTICS FOR PACIFIC STATION 84 (39.35N/ 123.81W TO 39.21N/ 123.78W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	,2.4
MEAN PEAK MAVE PERIOD (SECONDS) MOST FREQUENT 30.0 DEGRÉE (CENTER) DIRECTION BAND . (DEGREES) STANDARD DEVIATION OF WAVE HS . (METERS)	ęģ:ģ
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	2.6 7.4
LARGEST WAVE HS WAYE TP ASSOCIATED WITH LARGEST WAYE HS (METERS)	14:3
STANDARD DEVIATION OF WAVE TP (SECONDS) LARGEST WAVE HS (METERS) MAYE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	69121121

PHASE HAYE SHOPE PERCEI	3 ST 85 APPROACH AN LON. STARTE LINE ANGLE NT OCCURREN	GLE(REL) = 39.21N = 156.0 :E(X1000	(EAR WA (TIVE) 123.76 (DEG.	VE DIR TO SHOR W AZ.)	ECTION ELINE I AT LOP WATER AND PER	STATI IN DEG 1. END DEPTH 2100 B	STICAL REES)= 1= 39.1 1 = 10.	SUMM/ 0 0N/127 00 ME CTION	ARY - 14.9 - 7014 - TERS	
HEIGHT(METERS)									22.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 0.99 1.00 - 1.49 1.50 - 1.99	4.4- 6.1 17 8	9.5	10.5	:	13.3	15.3	18.1	22.2	LUNGER	17 0
99999999999999999999999999999999999999			:	•	:	:	:	:	:	170000000000000000000000000000000000000
2.50 - 2.99 3.50 - 3.99 3.50 - 3.99	•	•	:	:	:	:	:	:	•	000
4:00 - 4:49 4:50 - 4:99 5:00 + TOTAL	•	· ·	•	•	•	;	:	;	•	000
TOTAL MEAN HS(M) = 0.09	17 () 0 HS(M) =	0.23	Ö Mean	0 TP(SEC .) = 4	0 5.7 NU	O IMBER (OF CASES	= 10
PMASE WAYE LAT SHORE PERCEI	3 ST 85 APPROÁCH AN LON. START: LINE ANGLE NT OCCURREN	IGLE(REL) 39.21N 156.00	(EAR WA TIVE 1 123.78 (DEG.	AVE DIR TO SHOR 34 AZ) HEIGHT	ECTION ELINE] AT. LON WATER AND PER	STATI IN DEG 1. END DEPTH RIOD B	STICAL REES)= 1= 39.1 1 = 10. SY DIRE	SUMMA ON 123 OC ME	ARY 3 - 44.9 3.70W TERS	
HETGHT(METERS)									22.3- LONGER	TOTAL
0. 0.50 - 0.49	4.4- 6.1 6.0 8 451 98 1476 4758 191 2288	0 9.5	10.5	11.7	13.3	15.3	18.1	22.2	LONGER	70 1434
99999999999999999999999999999999999999	1476 4758 191 2289 1 160	169 282 59	:	:	:		:	:	:	70 1434 64762 2220 000
3.00 - 3.49	:		:	:	:	:		:	:	000
4:50 - 4:99			•	:			:	•	•	0
TOTAL MEAN (S(M) = 1.32	2154 8225 LARGEST	5 510 HS(M) =	0 2.37	0 MEAN	Ö TP(SEC:	0) = 6	.7 NU	Ó MBER (0 Of Cases	= 6369
			_			_				
PHASE WAYE LATE SHORE PERCEI	APPROACH AN LON. START LINE ANGLE IT OCCURREN	GLE(REL) = 39.21N/ = 156.0 CE(X1000	(EAR WA TIVE 1 123.78 (DEG.	AVE DIR TO SHOR SW AZ HEIGHT	ECTION ELINE I AT. LON NATER AND PER	STATI IN DEG 1. END DEPTH 210D B	STICAL REES)= 39.1 1 = 10.	SUMM/ 45.0 00/123 00 ME	ARY 74.9 75.70W TERS	
PHASE WAYE LAT SHORE PERCEI HEIGHT(METERS)										TOTAL
HEIGHT(METERS)			9.6- 10.5	PERIOD 10.6- 11.7	(SECONT	15.3	15.4- 18.1		22.3- LÖNGER	41
HEIGHT(METERS)			9.6- 10.5	PERIOD 10.6- 11.7	(SECONT	15.3 20 136	15.4- 18.1 6	18.2 <u>-</u> 22.2		
HEIGHT(METERS) - 0.49 0.500 - 1.49 2.500 - 2.49 2.500 - 2.49 2.600 - 2.49	4.40 6.1 6.1 5855 32 15533 56 437	8 - 317740588 161619288	910 31 5033722295 4512213	PERIOD 11.7 314 27317 2731887 2617	(SECONT 113.1 1007 25691 25691 25691	15.3 20 136	15.4- 18.1 6	18.2- 22.2		120 65450 33245393 158445993 140594
HEIGHT (METERS)	4.40 6.1 6.1 5855 32 15533 56 437	8 - 317740588 161619288	910 31 5033722295 4512213	PERIOD 11.7 314 27317 2731887 2617	(SECONT 113.1 1007 25691 25691 25691	15.3 20 136	15.4- 18.1 6	18.2- 22.2		41
HEIGHT (METERS) - 0.49999	4.40 6.1 6.0 6.1 3.2 155555 5.6 430 . 10 		9.6-5 10.3 5031 457362 1231 1351 1 2121	PERIOD 11:7 276199 276199 276199 276199 276199 27780 27780 27780 27780 27780	SECOND 1131672 1002821 100282 100282 100282 100282 100282 1002	1 4.3 160642377796 160642377796	15.8 86.836.829.8211 146.97.761 127.761	18.2- 22.2 : 6 :		120047889091 6545890878 7584564940 11111
HEIGHT (METERS) - 0499	4.40 6.1 6.0 6.1 3.2 155555 5.6 430 . 10 	8 1 - 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	9.6-5 10.3 5031 457362 1231 1351 1 2121	PERIOD 11:7 276199 276199 276199 276199 276199 27780 27780 27780 27780 27780	SECOND 1131672 1002821 100282 100282 100282 100282 100282 1002	1 4.3 160642377796 160642377796	15.8 86.836.829.8211 146.97.761 127.761	18.2- 22.2 : 6 :	22.3- LONGER 	120047889091 6545890878 7584564940 11111
HEIGHT (METERS) 0 0. 499 0. 500 - 1. 949 1. 500 - 1. 949 2. 500 - 2. 949 3. 500 - 3. 949 4. 500 - 4. 99 5. 0 TOTAL MEAN HS(M) = 2.28	4.40 6.1 6.0 8 1 58 5.6 43 5.6 43 6.1 6.1 7.7 290 6.1 7.7 290 7.7 290 8.7 290 8.7 290	8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	90 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD 10.6-7 11.7 2760 653197 2617 2617 2617 2780 2878 373 17780 2888	(SECONT) 11.8.3 1006 25.892 162.7 25.8998 162.8 102.8	13.4.3 1.5.3 1.60 1.60 1.60 1.60 1.60 1.60 1.60 1.60	15.8 668566298241 11469776 114697776	18.2- 22.2	22.3- LONGER 	120047889091 6545890878 7584564940 11111
HEIGHT (METERS) 0.499 0.500 - 0.499 1.2500 - 1.2499 2.5500 - 2.399 4.5500 - 3.449 5.000 - 3.449 5.000 + 4.499 5.000 + 4.499 5.000 + 4.499 5.000 + 4.499 5.000 + 4.499 5.000 + 4.499 5.000 + 4.499 5.000 + 4.499 5.000 + 4.499 5.000 + 4.499 5.000 + 4.499 5.000 + 4.499 5.000 + 4.499 5.000 + 4.499 5.000 + 4.499 5.000 + 4.499 5.000 + 4.499 5.000 + 4.499 6.480 + 4.499 6.4	4.4-0 6.1 6.1 5.85 7.5 15.27 8 4.30 8 4.30 9.7 290 1.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1	1 - 8 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3	906-5 10-3 45-7-5-2 13-7-7-2 13-7-7-1 12-1-1 7-15 (EAR WATE OF F	PERIOD 7 11-4 1-4 1-4 1-4 1-4 1-4 1-4 1-4 1-4 1-	(\$1.3.1.0.72.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	1.5. 0.60092445628 1.5. 0.60092445628 1.60642377798 1.6064237798 1.6064237	4-1 4-1 4-1 4-1 4-1 4-1 4-1 4-1	18.2- 22.2 6 6 6 6 6 6 75.2 00 MA	22.3- LONGER 	3546 15526 1854534 105938 105938 29908 29908 105938 29908 105938 29908 105938 29908 105938 10
HEIGHT (METERS) 0.99 0.99 0.99 1.99 1.99 1.99 1.99 1.9	4.4-0 6.1 5.6 3.2 125.33 5.6 43.33 6.1 15.33 7.2 29.33 1.3 29.33 1.4 29.33 1	8 2 3 2 7 7 8 2 7 7 7 8 2 8 2 8 2 8 2 8 2 8 2	906-5 4031 407-6-3 103-7 127-6-3 13-5 1-21-2-1 127-7-6-5 100-6-5	PERIOD 7 11-4 1-4 1-4 1-4 1-4 1-4 1-4 1-4 1-4 1-	(SECONT) 11136 1116 1116 1116 1116 1116 1116 11	13.5. 0.0092445.008 11 1600HB 11 1600HB 11 1600HB 11 1600HB 13.5. 160082330048 SN 1000 14.3	15.8 68368298211 NU 4.9.0.1 1.1 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1	18.2- 22.2	22.3- LONGER 	33520 152450 182593 16593 10593 10593 2900 1081 = 46153
HEIGHT (METERS) 0.99 0.99 0.99 1.99 1.99 1.99 1.99 1.9	4.4-0 6.1 5.6 3.2 125.33 5.6 43.33 6.1 15.33 7.2 29.33 1.3 29.33 1.4 29.33 1	8 2 3 2 7 7 8 2 7 7 7 8 2 8 2 8 2 8 2 8 2 8 2	906-5 4031 407-6-3 103-7 127-6-3 13-5 1-21-2-1 127-7-6-5 100-6-5	PERIOD 11.4 273137 273137 273137 2015 2015 2015 2015 2015 2015 2015 2015	(SECONT) 11136 1116 1116 1116 1116 1116 1116 11	13.5. 0.0092445.028 11 1600HB 11 1600HB 11 1600HB 11 1600HB 13.5. 160082330048 SN 1000 14.3	151 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18 2- 22.2 6 6 6 MBER C 07.1 20 00 1 ME CTION 18 2- 22.2	22.3- LONGER 	33520 152450 184593 10593 64939 2900 1081 = 46153
HEIGHT (METERS) 0.99 0.99 0.99 1.99 1.99 1.99 1.99 1.9	4.4-0 6.1 5.6 3.2 125.33 5.6 43.33 6.1 15.33 7.2 29.33 1.3 29.33 1.4 29.33 1	8 2 3 2 7 7 8 2 7 7 7 8 2 8 2 8 2 8 2 8 2 8 2	906-5 4031 407-6-3 103-7 127-6-3 13-5 1-21-2-1 121-7 121-7 121-7 121-7 101-7 1	PERIOD 11.4 273137 273137 273137 2015 2015 2015 2015 2015 2015 2015 2015	(SECONT) 11136 1116 1116 1116 1116 1116 1116 11	13.5. 0.0092445.028 11 1600HB 11 1600HB 11 1600HB 11 1600HB 13.5. 160082330048 SN 1000 14.3	151 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18 2-2 2 2 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	22.3- LONGER 	33520 152450 182593 16593 10593 10593 2900 1081 = 46153
HEIGHT (METERS) 0.99 0.99 0.99 1.99 1.99 1.99 1.99 1.9	4-0 6.1 15.2 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3	8 27774405851 · 9 = 12.000 · 5 34566173 · 9 = 12.000 · 5 34566173 · 9 = 12.000 · 5 34566173 · 9 · 9 · 9 · 9 · 9 · 9 · 9 · 9 · 9 ·	906-5 4031 407-6-3 103-7 127-6-3 13-5 1-21-2-1 121-7 121-7 121-7 121-7 101-7 1	PERIOD 11.4 273137 273137 273137 2015 2015 2015 2015 2015 2015 2015 2015	(SECONT) 11136 1116 1116 1116 1116 1116 1116 11	13.5. 0.0092445.028 11 1600HB 11 1600HB 11 1600HB 11 1600HB 13.5. 160082330048 SN 1000 14.3	151 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18 2-2 2 2 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	22.3- LONGER 	33520 152450 182593 16593 10593 10593 2900 1081 = 46153
HEIGHT (METERS) 0.949999999999999999999999999999999999	4-4-6 85 1 1568 497 1 2 1568 497 1 3 2 1568 497 1 3 2 1568 497 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8 37774405851 · 9 = 173666741 · 9 = 173666741 · 9 = 173666741 · 9 · 9 · 9 · 9 · 9 · 9 · 9 · 9 · 9 ·	906-5 10-3 45-7-5-2 13-7-7-2 13-7-7-1 12-1-1 7-15 (EAR WATE OF F	PERIOD 7 11-4 1-4 1-4 1-4 1-4 1-4 1-4 1-4 1-4 1-	(SECONT) 11136 1116 1116 1116 1116 1116 1116 11	1.5. 0.60092445628 1.5. 0.60092445628 1.60642377798 1.6064237798 1.6064237	4-1 4-1 4-1 4-1 4-1 4-1 4-1 4-1	18.2-2.2 6	22.3- LONGER 	3546 15526 1854534 105938 105938 29908 29908 105938 29908 105938 29908 105938 29908 105938 10

PHASE 3 WAVE AP LAT LI SHORELI PERCENT	ST. 85 PRCACH ANG! N. START= NE ANGLE = OCCURRENCI	20 YEAR LE(RELATIVE 39.21N/123. 156.0 (DE E(X1000) OF						
	4,4- 6 ₆ 1-	8,1- 9.6 9.5 10.	PERIOD - 10.6- 5 11.7	(SECONO 11.8~ 1 13.3	5) 3.4- 15. 15.3 16	4- 18.2-	22.3- LONGER	TOTAL
0.500 - 4.99 2.500 - 1.949 2.500 - 1.949 2.500 - 1.949 3.500 - 4.99 4.500 - 4 5.000 - 4	33 34 30 75 6 123 . 123 . 144 . 1 	286597758019 286597758019 28797758019		· · · · · · · · · · · · · · · · · · ·			: : : : : : :	00807416744 334439672 123521
MEAN HS(M) = 3.13	LARGEST HS	S(M) = 6.17	MEAN	TP(SEC)	= 9.0	HUMBER (F CASES =	977
	ST. 85 PROÀCH ANG! N. START= NE ANGLE = OCCURRENCI	20 YEAR LE(RELATIVE 39.21N/123. 156.0 (DE E(X1000) OF						
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8.1~ 9.6 9.5 10.	PERIOD - 10.6- 5 11.7	(SECOND	S) 3.4- 15. 15.3 18	4- 18.2- 1.1 22.2	22.3- LÓNGER	TOTAL
99999999999999999999999999999999999999	5							03800000000
MEAN HS(M) = 1.13	LARGEST H	5(M) = 1.48	MEAN	TP(SEC)	= 5.9	NUMBER (F CASES =	7
	ST: 05 PROACH ANG N. START= NE ANGLE = OCCURRENCI	20 YEAR LE(RELATÎVE 39.210/123. 156.0 (DE				CAL SUMM/ S)= 165.(9.10N/12: 10.00 ME 10.00 ME	ARY) - 100.0 5 70W TERS	
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8,1- 9,6 9.5 10.	PERIOD - 10.6- 5 li.7	(SECOND 11.8- 1	§) 3.4- 15. 15.3 18	4- 18.2-	22.3- LONGER	TOTAL
0.50 - 0.499 1.500 - 1.2299 2.500 -	: : : : : : : : : : : : : : : : : : :		ò				: : : : :	000000000000000000000000000000000000000





HIS STATION 85 (39.21N/ 123.78H TO 39.10N/ 123.70H)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 455556666666660777777 E59599999999999999999999999999999	המשחחהממש מחוזמנטוהמסיווס גוד	98909000000000000000000000000000000000	469401-688450500-50005150	148441-109111199087-04680	274444444444444444444444444444444444444	ound-in-nonne-our-good	היים היים היים היים היים היים היים היים		M-40smisonnoom44ono48	7207280578185750999911	ณณณณฑณฑณณณฑฑณณณฑฑฑณ	いっているというというというというというというというというというというというというというと	N-104704-1-RUPOUNOUNOUNDURADIDO
MEAN	3.2	3.2	2.8	2.3	1.8	1.6	1.4	1.3	1.5	2.1	2.8	3.3	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 85 (39.21N/ 123.78W TO 39.10N/ 123.70W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	MOA	DEC
R67890123456789012345 R5555566666666777777 E99999999999999999999	7-12-10-100-100-17-00-12-0 4-4-0-01-01-01-01-0-0-1	10000000000000000000000000000000000000	งงง4งากระกรรษทางคงครายงก	94944444444444444444444444444444444444	amounounmounoununmound	การงานการงานการงานการงานการงานการงาน	808998180097801774M0	21-2222-24-24-14-22-22-22-22-22-22-22-22-22-22-22-22-22	MOMONTH-INMONY-RANDH-ITA	n-m49900000470-000474	6900111014444444444444444444444444444444	4545445665565765765654

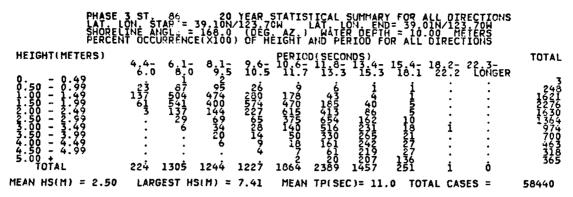
20 YR. STATISTICS FOR PACIFIC STATION 85 (39.21N/ 123.78W TO 39.10N/ 123.70W)

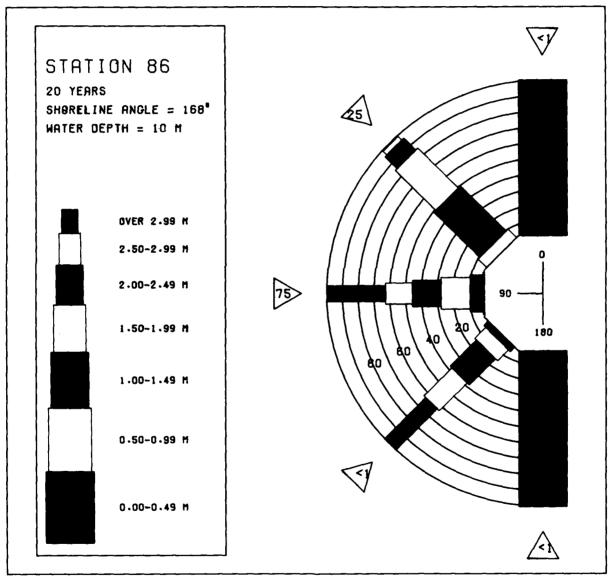
MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2.3
MEAN SIGNIFICANT WAVE HEIGHT	11.8
STANDARD DEVIATION OF WAVE THE	Ĭ.Ď
STANDARD DEVIATION OF WAVE TP (SECONDS) LARGEST WAVE HS (METERS)	5:4
LARGEST WAVE THE LARGEST WAVE HS (METERS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DITHE ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	16.7
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	69121203

PHASE WAVE LATE SHORE PERCE	3 ST : 66 APPROACH ANG LON STAPT= LINE ANGLE = NT OCCURRENC	20 YFAR W LE(RELATIVE 39.10N/123.7 168.0 (DEG	AVE DIRECT TO SHORELI OW LAT. HEIGHT AND	ION STAT	ISTICAL SUM GREES) = 0 D= 39.01N/1 H = 10.00 BY DIRECTIO	MARY 23.70W14.9 METERS	
HEIGHT(METERS)			PERIOD(SE				TOTAL
0.149 0.499 1.9499 1.499 1	464- 61-0 6-0 6-0 6-0 6-0 6-0	8 91.5 90.5 9.5 10.5 	i 11.7 13	. 3 - 15 . 3 	15.4- 18.2 18.1 22. 	22.3- 2 LONGER : : : : : :	0000000000
MEAN HS(M) = 0.	LARGEST H	S(M) = 0.	MEAN TPO	SEC) = (O. NUMBER	OF CASES =	. 0
PHASE WAYE LATE SHORE PERCE HEIGHT(METERS)	APPROACH ANG LON. START = LINE ANGLE LINE ANGLE NT OCCURRENC				ISTICAL SUM GREES)= 15 J= 39.01N/1 H = 10.00 BY DIRECTION	MARY 20 - 44.9 23 70W HETERS	TOTAL
	4,4- 6,1- 6,0 8,0	8,1- 9,6- 9.5 10.5			15.4- 18.2 18.1 22.	22.3- E LONGER	
99999999999999999999999999999999999999	4,4- 6,1- 6-0 8-0 23-4 21-3 121-3 27-46 355 217-47	29	•				18683770000000 49832 3952
5.00 + TOTAL	1807 5172	3	ó	 Ġ Ġ		ò	ŏ
MEAN HS(M) = 1.40	LARGEST H	S(M) = 2.12	MEAN TPE	SEC) = (5.5 NUMBER	OF CASES =	4099
PHASE WAYE LAT SHOPE PERCE	3 ST 86 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC	20 YEAR W LE(RELATIVE 39.10N/123.7 168.0 (DEG E(X1000) OF			ISTICAL SUM SEES) = 45 5 = 39.01N/1 1 = 10.00 BY DIRECTION	MARY .0 - 74.9 23.70W METERS	
PHASE WAYE LAT SHOPE PERCE HEIGHT(METERS)							TOTAL
HEIGHT(METERS)	46.0 6 37.029 6.0 23.1 6.2 2.2 2.2 1.1 7.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2		PER IOD 11: 3 689 2551 3 173 3 173 2 2 4 1 1 3 1 3 2 2 4 1 1 3 1 3 2 2 4 1 1 3 2 4 1 1	COND 3 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	151 ICAL SUMI 15		TOTAL 192125 10884562 11089462 1109947 1209999 183
HEIGHT(METERS) 0 0.49 0.500 - 0.49 1.500 - 1.49 2.500 - 2.49 2.500 - 2.49	4,4- 6,10 140 2178 224 3092 27 1112 2 173 2 23 392 7218	8 9 6 6 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD(SE 10.6-11.3 16.7 13.6 13.8 29.1 13.8 29.1 13.8 29.1 13.8 29.1 13.8 29.1 13.8 29.1 13.8 29.1 13.8 29.1 13.8 29.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 1	-3 -4. i=5154192211 -3 i=505457192211 -3 i=50545710810	15.4- 18.2 18.1 22.	223- 2 LONGER :	198795 198795 1088746 11175 11082997 1882997 19993
HEIGHT (METERS) 0 0.49 0.50 - 0.49 1.50 - 12.49 2.50 - 2.49 2.50 - 3.49 3.50 - 3.49 4.50 - 4.49 5.00 + 4.49 5.00 + 4.49 F. TOTAL MEAN HS(M) = 2.12 PHASE WAYE SHORE PERCE	4,4- 6,10 140 2178 224 3092 27 1112 2 173 2 23 392 7218	8 9 1 5 1 6 6 6 7 8 9 1 6 9 1	PER IOD (15: 13: 68: 13: 16: 16: 16: 16: 16: 16: 16: 16: 16: 16	CONDS 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4- 18.2 3 i 20 6 32 i 0.3 NUMBER ISTICAL SUMM SREES 1 75 1 = 10.00 34 DIRECTIO	22.3- 2 LÖNGER 	1087956 1087956 166775624 180795999 1807959999 1807959999 1807959999
HEIGHT(METERS) 0 0.49 0.50 - 0.49 1.50 - 1.49 2.50 - 2.49 3.50 - 3.49 3.50 - 4.49 5.00 - 4.49 5.00 - 4.50 HEAN HS(M) = 2.12 PHASE WAYE SHORE PERCE	4.4- 6.10 140 2178 224 3092 27 1172 27 1172 28 27 218 392 7218 LARGEST H APPROACH ANGLE LON. START= LON. START= LON. START= LON. START= LINE ANGLE NO	8 1-5 1-6-5 2495-32-1-6-6-5 8 2-2-6-6-6-5-7-2-6-6-6-5 8 2-2-6-6-6-5-7-2-6-6-6-5 8 2-2-6-6-6-5-7-2-6-6-6-5 8 2-2-6-6-6-5-6-6-5 8 2-2-6-6-6-5-6-6-6-5 8 2-2-6-6-6-5-6-6-6-5 8 2-2-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6	PER IOD (15: 13: 68: 12: 13: 13: 13: 13: 13: 13: 13: 13: 13: 13	CONDS 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4- 18.2 3 i 20 6 32 i 0.3 NUMBER ISTICAL SUMM SREES 1 75 1 = 10.00 34 DIRECTIO	22.3- 2 LONGER 	198795 198795 1088746 11175 11082997 1882997 19993
HEIGHT (METERS) 0 0.49 0.50 - 0.49 1.50 - 12.49 2.50 - 2.49 2.50 - 3.49 3.50 - 3.49 4.50 - 4.49 5.00 + 4.49 5.00 + 4.49 F. TOTAL MEAN HS(M) = 2.12 PHASE WAYE SHORE PERCE	46-0 6 37829 61-0 637829 61-0 637829 61-0 637829 61-0 637829 61-0 637829 61-0 64-0 64-0 64-0 64-0 64-0 64-0 64-0 64	8 0 4950318601 9 1 249503194573 9 1 5 2511 1 1 3 3 4 4 6 6 1 5 6 6 1 5 6 6 1 6 1 6 1 6 1 6 1 6	PERIOD (SE 13 68 12 68 12 68 12 68 13 68 1	130045710810 S INEER PD 1 122222211 1 12256570999 1 1 6 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4- 18.2 18.1 22. 31 1 20 8 32 1 10.3 NUMBER 15.4- 18.2 15.4- 22.3- 2 LONGER 	331256247993 988794599098 108794599098 1087945993 108743971554 15043527674 15043527674	

PHASE WAY-9-19-19-19-19-19-19-19-19-19-19-19-19-1	4.4-0 .625 	86 NS 3 S E S S S S S S S S S S S S S S S S	8 9 · · · · 570443351 · 8		PERIOD 10.7 11.30 2445 203 203 203 203 203 203 203 203 203 203	ECTION IN THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF T	10 10 10 10	5.4- 1 18.1	.8.2- 2 22.2	134.9 70W 70W 237 LÓNGER 	TOTAL 2009094533162 1222211343 753
PHASE HAYPER SHORE HEIGHT (METERS) - 0.499 - 1.22499 - 1.2499 - 1	ST APPROACL LON ST LON 6AU H 4-0 6.0 1	6.1-0 3	20 YI E(RELA) 9.100/ 16300 (X1000 8.1- 9.5	9.6- 10.5	FERIOD 10.6-7	ECTION ELIGIBLE CONTROL CONTRO	05) 15.3 15.3	5.4- 1 18.1 : : : :	.8.2- 2 22.2	7 164.9 7 70W ERS 2.3- LONGER 	TOTAL 00 04 00 00 00 00 00 00 00 00 00 00 00
				EAR WAY TIVE TO 123.70 (DEG.	VE DIR O SHOR W L AZ.) EIGHT		STATIS IN DEGR ENDS DEPTH ICD BY	TICAL REES)= 37.01 ~ 10.0	SUMMAR 165 9 N/123 N/123 TION	1 180.0 70W 2 3- LONGER	TOTAL 000000000000000000000000000000000000

MEAN HS(M) = 0. LARGEST HS(M) = 0. MEAN TP(SEC) = 0. NUMBER OF CASES = 0





WIS STATION 86 (39.10N/ 123.70W TO 39.01N/ 123.70W) MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E578999999999999999999999999999999999999	4844NOP-HANGUARONNA	amerogrammananagaungana matagamananagaungana	69ーナスのタスーナーにカイトスのアーカス	260747217511711995911	202200141110011000000000000000000000000	27576949717569788106	174741714724475006748976	היים ביים היים היים היים היים היים היים	486944776588445684669	9カーラウン・0100000000000000000000000000000000000	409947-6014-16015-1-1-1-0190 21702-170014-16015-1-1-1-0190	งเกษายนายนายนายนายนายนายนายนายนายนายนายนายนา	N746544456555447746977 Ennounnannunnunnnnunnn M
MEAN	3.5	3.6	3.1	2.5	2.0	1.8	1.6	1.5	1.6	2.3	3.1	3.6	

LARGEST HS(METERS) BY MONTH AND YEAR WIS STATION 86 (39.10N/ 123.70W TO 39.01N/ 123.70W)

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

	JAN	FED	MAR	APR	TAT	JUN	JUL	AUG	254	UCI	MOA	DEC
Y1111111111111111111111111111111111111	หลังทองสหาสาหาที่สองออออส	เกาะอยายายายายายายายายายายายายายายายายายาย	8998-19-608/11/19-00-64 4411441146446/11/11/01/11/01/11/01/11/01/01/01/01/01/	86627096079560610819 5465545555555656564450	กางางของการกายอยุงกาง กางของของการกายอยุงกาง	964527977744226078407	ณะที่กละครายการการการการการการการการการการการการการก	01947009471858001601	งเกเบอง-เสซนเกเบากากงเกเบาการจา	74545446757574646447754	98166499417-177989494 98166499417-177989494	465555466556657666656

HTHOM

20 YR. STATISTICS FOR PACIFIC STATION 86 (39.10N/ 123.70W TO 39.01N/ 123.70W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD	2.5
MEAN PEAK WAVE PERIOD (SECONDS) MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	11.0
MOST PREGUENT 30.0 DEGREE ICENTERT DIRECTION BAND (DEGREES)	60.0
STANDARD DEVIATION OF HAVE HS (METERS) STANDARD DEVIATION OF HAVE TP (SECONDS)	1.1 2.5 7.4
LARGEST WAVE HS	7:4
WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	16.7
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS (METERS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	60121260

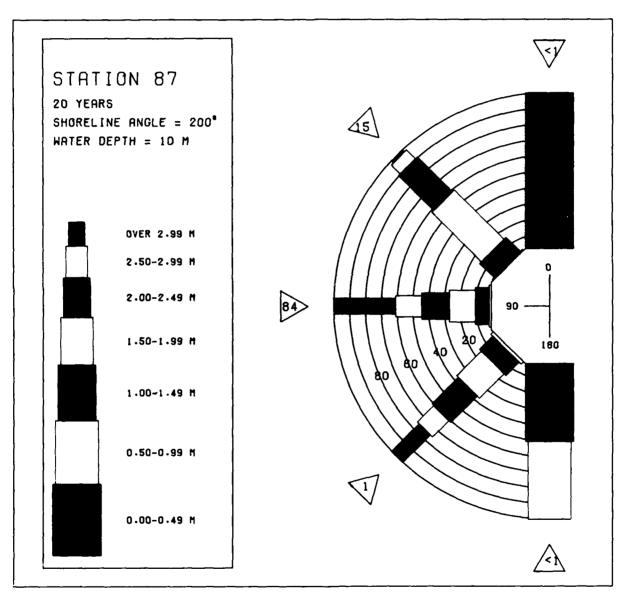
PHASE WAYE LATE SHORE PERCE HEIGHT(METERS)	3 ST 87 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC				ISTICAL SUMM GREES) = 0 D= 38.95N/12 H= 10.00 P BY DIRECTION 15.4- 18.2- 18.1 22.2		TOTAL
0.949 	4.4- 6.1- 6.0 8.0	8.1- 9.6 9.5 10.1	111.7 1	13.3 15.3	18.1 22.2	L LONSER	0000000000
TOTAL MEAN HS(M) = 0.	Ó Ó Largest h	Ö Ö S(M) = 0.	Ö MEAN TR	ô ô P(SEC) =	Ö Ö O. NUMBER	OF CASES =	•
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			·
	3 ST 87 APPROACH ANG LON: START= LINE ANGLE = NT OCCURRENC						
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6: 9.5 10.	PERIOD(9 10.6-1)	5ECONDS) 1.8- 13.4- 13.3 15.3	15.4- 16.2- 18.1 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999			:			•	00000000000
70742	Ö Ö	Ö Ö	Ö	Ö Ö	Ö Ö	Ö	Ŏ
MEAN HS(M) = 0.	LARGEST H	S(M) = 0.	MEAN TE	P(SEC) =	O. NUMBER	OF CASES ≈	0
PHASE WAYE LATE SHORE PERCE	3 ST . 87 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC	20 YEAR LE(RELATIYE 39.010/123. 200.0 (DE E(X1000) OF	NAVE DIRECTO SHORELY TO SHORELY TOW LATE SAZZ) HEIGHT AN	CTION STAT INE IN DE I. LON. EN NATER DEPT NO PERIOD	ISTICAL SUMM GREES)= 45 D= 38 D= 10000 F BY DIRECTION	IARY 0 - 74.9 ETERS	
HEIGHT(METERS)							TOTAL
HEIGHT(METERS)	4.4-0 6.1-0 6.3-0 847 155651 18032 4688 70	8 9 5 10 10 10 10 10 10 10 10 10 10 10 10 10		SECONDS) 18- 13:4- 13:3 15:3	ISTICAL SUMMER SERVICE		TOTAL 5534371497 5695558 00
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0 847 1705 1803 5561 92 4688 . 70 	8 1 - 9 6 10 3 1	PERIOD(\$ 1) 1.7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		15.4- 18.2- 18.1 22.2 		64871497900 53343758 268565 27551
HEIGHT (METERS) 0.49 0.500 - 0.49 1.500 - 1.29 1.500 - 1.29 1.500 - 3.49 1.500 - 3	4.4-0 6.1-0 4.4-0 6.1-0 4.4-0 1.705	8 1- 9.6. 9 5 10. 2379 5 15 2379 6 19 4777 6 19 4777 6 19 435 8 12 2883 124 S(M) = 4.23 LE(RELATIVE LE(RELATIVE 120 1871 123 EL LE(RELATIVE 13200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PERIOD (S	ECONDS) 13.3 15.3	15.4- 18.2- 18.1 22.2 18.1 22.2	22.3- LÓNGER 	26857749 26857558 26857558 26857558 26857558 2685758 2685779 2685779 2685779 2685779 2685779 2685779 2685779 2685779 2685779 2685779 2685779 2685779 2685779 2685779 2685779 2685779 268579 268
HEIGHT (METERS) 0.50 - 0.49 1.50 - 1.29 1	4.4-0 6.1-0 4.4-0 6.1-0 4.4-0 1.705	8 1- 9.6. 9 5 10. 2379 5 15 2379 6 19 4777 6 19 4777 6 19 435 8 12 2883 124 S(M) = 4.23 LE(RELATIVE LE(RELATIVE 120 1871 123 EL LE(RELATIVE 13200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PERIOD(S) 1 1 7 1 1 1 1 AVE DIRECTORY TO SHORE TO	EECONDS) 13.3 15.3 15.3 15.3 0 0 0 0 0 STAT THE DENT THE	15.4- 18.2- 18.1 22.2 18.1 22.2 0 0 0 7.0 NUMBER 18TICAL SUMM 5REE5)= 75.0 14 = 10.00 15.4- 18.2- 18.1 22.2	22.3- LÓNGER 	2588 78437 16575 90 0 10882
HEIGHT (METERS) 0.49 0.500 - 0.49 1.500 - 1.29 1.500 - 1.29 1.500 - 3.49 1.500 - 3	4.6.4.0 1.55613 4.6.3.0 1.55613 4.6.3.0 1.55613 4.6.3.0 1.55613 4.6.3.0 1.55613 4.6.3.0 1.55613 4.6.3.0 1.55613 4.6.4.0 1.55613 4.6.0	8 1- 9.6 9.5 10 1 3.4 15 2.77 10 29 4777 29 4777 435 22 2883 124 S(M) = 4.23 LE(ROLA) 10 E 13 200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PER 101 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 EC 0 = TATENT	15.4- 18.2- 18.1 22.2 	22.3- LONGER 	048771497900 2 1575151 8 8 1 327508888725 10 0 1 327508888725 10 0 1 327508888725 10 0 1 327508888725 10 0 1 327508888725 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

PHASE WAYE LAT SHOPE PERCEN	3 ST APPROACH ON STA INE ANG IT OCCUR	87 ANGLE RT= 39 LE = 2 RENCE(20 YE (RELA) 00.0 X1000					TICAL (EES) = 38.950 = 10.00 DIREC	SUMMAR 105.0 1/123 0 MET TION	Y - 134.9 734 ERS	
HEIGHT(METERS)	4,4- 6.0	6,1- 8.0	8,1 <u>-</u> 9.5	9.6- 10.5	PERIOD (10.6~ 1 11.7	SECONO 1.8- 1 13.3	(§) 3.4- 1 15.3	5.4- 1 18.1	8.2- 2 22.2	2.3- LÓNGER	TOTAL
- 0.499 - 0.1999 - 1.999 - 1.999 - 1.999 - 2.999 - 2.999 - 2.999 - 2.999 - 2.999 - 2.999 - 3.999 - 4.999 - 4.999 - 4.999 - 4.500 - 4.999 - 4.500 - 4.999 - 4.500 - 4.999 - 4.500 - 4.999 - 4.500 - 4.999 - 5.000 - 5.0000 - 5.000 - 5.		: 27 5	864 115350 10787 2 1 . 619	3397 877 886223 • 350	131 1621 1557 688 160 111 541	25984215	154734 132 84		·	ò	2166231162 2544521
MEAN HS(M) = 2.66	LARGE	ST HS(M) = 5	. 75	MEAN 1	P(SEC)	= 10.	1 NUMI	SER OF	CASES =	1326
PHASE WAYE LAT SHORE PERCEN	3 ST APPROACH LON. STA INE ANG IT OCCUR	87 ANGLE RT= 39 LE = 2 RENCE(20 YE (RELA) .01N/1 00.0 X1000	AR WA TIVE T 123.70 (DEG.	VE DIRE O SHORE AZ, IEIGHT A	CTION LINE I T. LON WATER ND PER	STATIS N DEGR DEPTH ICD BY	TICAL SES = 38.951 = 10.00 DIREC	SUMMAR 135.0 1/123. 0 MET TION	Y - 164.9 73W ERS	
HEIGHT(METERS)	4.4 <u>-</u>	6.1~ 8.0	8,1 <u>-</u> 9.5	9.6- 10.5	PERIOD(10.6-1	\$EÇOND 13.3	(§) 3.4- 1 15.3	5.4- 18 18.1	9.2- 2 22.2	2 3- LONGER	TOTAL
	3 5 5	6 1 18 8	15 15	:	:	:	:	:	:	: :	122
0.50 - 1.99 1.999	•	:		:	:	•	:	•	:	•	00000
TOTAL	13	33	26	Ö	Ó	Ö	Ŏ.	Ö	Ó	Ö	
MEAN HS(M) = 1.42	LARGE	ST HS(M) = 2	2.28	MEAN 1	P(SEC)	= 7.	3 NUMI	BER OF	CASES =	45
PHASE WAYE LAT SHORE PERCEN	3 ST APPROÁCH ON STA INE ANG IT OCCUR	87 ANGLE RT= 39 LE = 2 RENCE(20 YE (RELA) 0010/1					TICAL (EES)= 38.95/ = 10.00 DIREC	SUMMAR 165.0 1/123. 0 MET TION	Y - 180.0 73W ERS	
HEIGHT(METERS)	4,4-	6.1- 8.0	8,1 <u>-</u>	9,6 <u>-</u> 5	PERIOD (\$EÇOND	(§) 3.4- 1 15.3	5.4- 16 18.1	3.2- 2 22.2	2.3- LONGER	TOTAL
0.4999 0.4999 0.50000 1.50000 1.50000	:	:	:	:	:	:	:	:	:	:	0
	:	:	:	:	:	:	:	:	:	•	+0000000000
3.475 3.499 4.50 - 4.77 5.00 + TOTAL	:	:	:	:	:	:	:	:	:	•	000
5.60 + TOTAL	i	Ö	Ö	ò	Ö	ö	Ö	Ö	Ö	Ö	ŏ

MEAN HS(M) = 0.13 LARGEST HS(M) = 0.13 MEAN TP(SEC) = 4.8 NUMBER OF CASES = 1

PHASE 3 ST. 87 20 YEAR STATISTICAL SUMMARY FOR ALL DIRECTIONS LAT. LON. START = 39.01N/123.70W LAT. LON. END = 38.95N/123.73W SHORELINE ANGLE = 2000 (DEG. AZ.) WATER DEPTH = 10.00 HETERS PERCENT OCCURRENCE(X100) OF HEIGHT AND PERIOD FOR ALL DIRECTIONS

HEIGHT(METERS)		MACHEL	· (AIGG)	, Q1 III		0(55CO)		N ALL	DIRECT.	LONS	TOTAL
1722011 (172121C)	4.4-	6,1-	8.1-	9.6- 10.5	10,6-	1 . 8-	13.4.	15.4- 18.1	18.2- 3	22.3- LONGER	IOIAL
0.499 0.499 0.500 0.500 0.500 0.500 0.500 0.500	5 192 13	383 213 618 518 106	2098 314785 125	15 178 402 347 105	108 108 104 104 104 104 104 104 104 104 104 104	3 21 139 557	i 24 70 130	i 1458		:	126 934 2081 1976 1523
3.00 - 3.49 3.50 - 3.49 4.50 - 4.49 5.00 + 4.99 TOTAL	302	13 : :	70 17 2	130 13 7	215 74 15 2 1817	607 434 226 286 27 2399	1956595	167 1245 1545 255	i i		1148 811 530 352 476
MEAN HS(M) = 2.70			2(W) =			TP(SEC	1468 :}= 1 0 .		AL CASI	s =	58440



WIS STATION 87 (39.01N/ 123.70W TO 38.95N/ 123.73W)

						MONT	Н						
	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R657890123456789012345 E99999999999999999	moding-leving-dest-inno	4488งแทกองกากตอง488เทกอเก กากการหากกากกากสรากกระทา	ชอทองคะณ44อกอ44อกอออ4 พทกงงะพฤทากกากพฤทากพาก	wampaaaamaaaaammaamma	Authorithment de la control de	N9799-17894978-1908549	78098697479810071509	96878785969568787886	1-1-2-1-1-1-2-1-1-1-2-1-1	04งเกณกจะการบาทการบาทการบาทการบาทการบาทการบาทการบาทการบาทการบาทการบาทการบาทการบาทการบาทการบาทการบาทการบาทการบา	บาน เล่า เล่า เล่า เล่า เล่า เล่า เล่า เล่า	877774558028741064702	N468766668776609784015 ENCURRIGIONAL CONTROL CONTROL M
MEAN	3.6	3.7	3.2	2.8	2.2	2.0	1.9	1.7	1.8	2.5	3.3	3.7	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 87 (39.01N/ 123.70W TO 38.95N/ 123.73W)

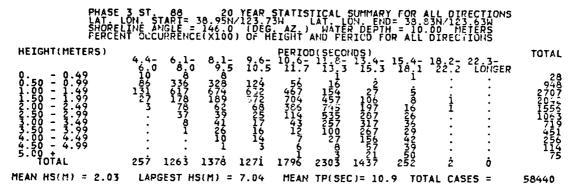
	MAL	FEB	MAR	APR	MAY	THOM MUL	H JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	404017794996684400746	N911117914499915080001	470-10-10-00-04-00-00-00-00-00-00-00-00-00-00-00	45054444547500054504	กราการณะทราการณาการกรรษ	nnacamanakaaammanam	40m75477006447654550	ชงงงชาวงงงงงงงงงงงงางการจ	N887415799879967-966N8	49340792W69061446904	101096149675000000000000000000000000000000000000	45970707075048000507

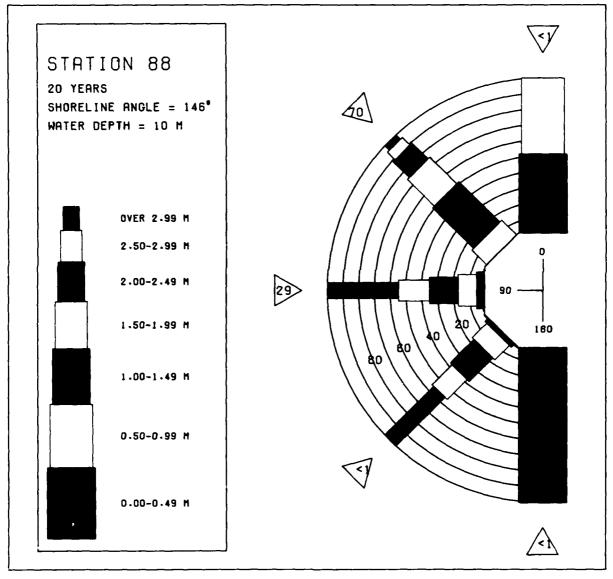
20 YR. STATISTICS FOR PACIFIC STATION 87 (39.01N/ 123.70W TO 38.95N/ 123.73W)

MEAN SIGNIFICANT HAVE HEIGHT	2.7 10.9 90.0 1.1 2.64 16.7
LARGEST MAVE HS WAVE TP ASSOCIATED WITH LARGEST MAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS OATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	16.7 89.3 64012006

PHASE PHAYENCE LATORICE PHAYENCE LATORICE PER C 499 100-1-2-2-3-4-4 100-1-2-2-3-4-4 100-1-2-2-3-3-4-4 100-1-3-3-3-4-4 100-1-3-3-3-4-4 100-1-3-3-3-4-4 100-1-3-3-3-4-4 100-1-3-3-3-4-4 100-1-3-3-3-4-4 100-1-3-3-3-4-4 100-1-3-3-3-4-4 100-1-3-3-3-4-4 100-1-3-3-3-4-4 100-1-3-3-3-4-4 100-1-3-3-3-4-4 100-1-3-3-3-4-4 100-1-3-3-3-4-4 100-1-3-3-3-4-4 100-1-3-3-3-4-4 100-1-3-3-3-3-4-4 100-1-3-3-3-3-4-4 100-1-3-3-3-3-4-4 100-1-3-3-3-3-4-4 100-1-3-3-3-3-4-4 100-1-3-3-3-3-4-4 100-1-3-3-3-3-4-4 100-1-3-3-3-3-4-4 100-1-3-3-3-3-3-4-4 100-1-3-3-3-3-3-4-4 100-1-3-3-3-3-3-4-4 100-1-3-3-3-3-3-4-4 100-1-3-3-3-3-3-4-4 100-1-3-3-3-3-3-4-4 100-1-3-3-3-3-3-4-4 100-1-3-3-3-3-3-3-3-4-4 100-1-3-3-3-3-3-3-4-4 100-1-3-3-3-3-3-3-4-4 100-1-3-3-3-3-3-4-4 100-1-3-3-3-3-3-3-4-4 100-1-3-3-3-3-3-3-4-4 100-1-3-3-3-3-3-3-4-4 100-1-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-	3 ST & 88 APPROACH ANGLE STAT		WAVE DIR TO SHOR 73W AZ 1 G AZ 1 HEIGHT PERIOD 5 11.7	ECTION STA ELINE IN A AT LON E AND PERIOD (SECONDS) 113.3 15.			TOTAL 30 00 00 00 00 00 00 00
MEAN HS(M) = 0.12		S(M) = 0.23	-	TP(SEC) =		OF CASES =	18
	4.4- 6.1- 6.0 6.0 864 2547 1266 5331 145 1199 1144	20 YEAR I 20 YEAR I 38.75N/123E 146.00 OF 8.1-9.6 9.5 10.9 251 869 27 1463 0 S(M) = 2.72	PERIOD 10.7	(SECONDS) 11.8- 13.4 13.3 15	TISTICAL SUMMEGREES)= 15 ND= 38.83N/1 TH = 10.00 BY DIRECTION 15.4- 18.2 3 18.1 22	14RY 0 - 44.9 23.63W 1ETERS 2 2.3- 2 LONGER 	TOTAL 143 3662601 141 00000 7644
PHASE HAVE LAT. ENDING TO THE PHASE LAT. ENDING THE PERCENT OF THE	4.4- 6.1- 6.0 8.6 17 780 17 700 5 325 . 80 	8 1 - 1 0 6 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FERIOD 1 87 1 87 1 87 1 87 1 87 1 87 1 87 1 8	SECO: 13: 3 22: 20: 20: 20: 20: 20: 20: 20: 20: 20:	TISTICAL SUMMER STATE OF THE ST	22.3- LONGER : : : : : : :	TOTAL 2247.5581862 1942.57581862 1942.57581879 69 57
PHASE WAYE ALATT PHASE WAYE ALATT PERCENT PHASE	4.4- 6.1- 6.0 8.1- 1.5 75. 41.22 143. 2.2 140. . 180. . 180. 	E (REA) PET PET PET PET PET PET PET PET PET PET	PER 10-1 111-7 3463-669 359 359	ECTION STATE LINE IN D LINE IN D LINE			TOTAL 1300-20-20-20-20-20-20-20-20-20-20-20-20-2

PHASE THAT IN THE PHASE AND TH	ST. PROACH DN. STA THE ANG TOCCUR	88 ANGLE RT= 38 LE = 1 RENCEI	20 Y 465N/ 21000	EAR WA TIVE T 123.73 (DEG.) OF H	VE DIRI O SHORE N EL AZ.) EIGHT /	CTION LINE I T. LON WATER AND PER	STATIS H DEGR DEPTH LOD BY	TICAL EES/= 30.83 DIREC	SUMMAR 105.0 N/123. N/ MET	Y - 134.9 63W ERS	
HEIGHT(METERS)		6.1- 8.0	8;1 <u>-</u> 9:5		PERIOD: 10.6-					2.3- LONGER	TOTAL 0
- 0.1999 - 0.1999 - 0.1102339499 - 0.5000 - 102339499 - 0.5000 - 1023394499 - 0.5000 - 1023394499 - 0.5000 - 1023394499	:	1830 2000 1853 5 5 · · · 5	i 200 190 141 145 146 68 68 9	109292530 109292530	8380706						0908539458 350617041 133322
MEAN HS(M) = 3.04	LARGE	ST HS(M) =	5.59	MEAN T	FP(SEC)	= 8.	5 NUN	BER OF	CASES =	1015
PHASE A WAVE AI LAT. L SHOREL PERCEN	ST. PPROACH ON. STA INE ANG T OCCUR	88 ANGLE RT= 38 LE = 1 RENCE	20 Y (RELA 3.95N/ 3460 X1000							Y - 164.9 63W ERS	
HEIGHT(METERS)	464 0	6.1- 8.0	8,1 ₅	9.6- 10.5	PERIOD:	SECOND 11.8-1	\$ } 3.4- 1 15.3	5.4- 1 18.1	8.2- 2 22.2	2.3- LÖNGER	TOTAL
1 1 2 2 3 3 4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3 5 5 	683131131	•	•		:			:		61863100000
TOTAL MEAN HS(M) = 1.44	13 LADGE	22 ST HS(M) =	0 2 60	Ö MEAN "	Ó TP(SEC)	. = 6.	Ó 41 12.4 - F	Ó KRED NE	Ċ CASES =	23
PHASE HAVE AL LAT. SHORE LU PERCEN				EAR WA TIVE T 123.73 (DEG.) OF H	VE DIFI O SHUFF W L. AZ.) EIGHT	ECTION ELINE I AT LON WATER AND PER	STATIS N DEGR DEPIH LOD BY	TICAL EES)= 38.83 = 10.0	SUMMAP 165.0 N/123 O MET TION	Y - 180.0 63W ERS	
HEIGHT(METERS)	4.4- 6.0	6,1- 8.0	8,1 <u>-</u> 9.5	9.6- 10.5	PERIOD: 10.6-	SECOND 11.8-1 13.3	5) 3.4- 1 15.3	5.4- 1 18.1	8.2- 2 22.2	2.3~ LONGER	TOTAL
0.4999999999999999999999999999999999999		Ö			: : : : : :						000000000000000000000000000000000000000
HEART HUNCH - V.	CARGE	JI 1131	.,, -	٠.	HEAR	11-13661	- 0.	NUI	IDEK UF	CAJEJ -	v



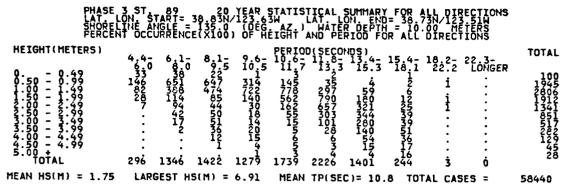


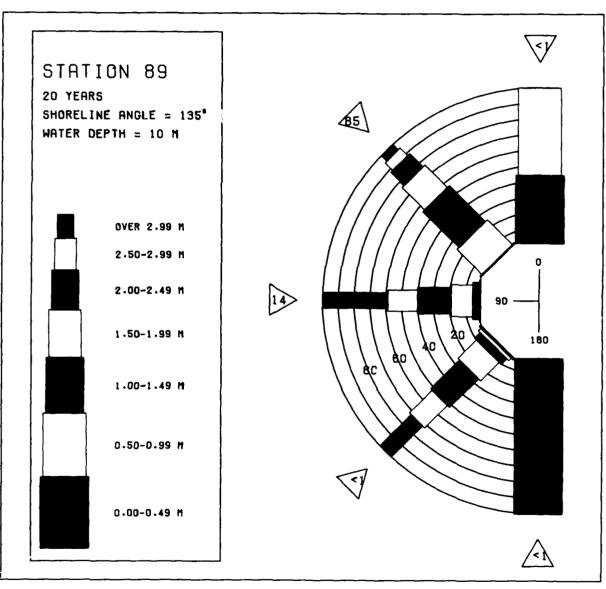
MIS STATION 88 (38.95N/ 123.73W TO 38.83N/ 123.63W)

						MONT	Ή						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E555566666666667777777 E559999999999999 E55999999999999	ชนากของการของการของการของการของการของการของการของการของการของการของการของการของการของการของการของการของการของก	กระบาทการกระบาทการกระบาทการกระบาทการกระบาทการกระบาทการกระบาทการกระบาทการกระบาทการกระบาทการกระบาทการกระบาทการกร	อทองอุทร์เกอกมาเอยอนทองอ ม	8215-1088820077861551-15157 1	77.667.52447.625.655.6015.6	היים היים היים היים היים היים היים היים	וויייייייייייייייייייייייייייייייייייי	חווים ביים ביים ביים ביים ביים ביים ביים	16560144514716541626 5	10121112111121121121111111	ดูกรากรายการครายการการการการการการการการการการการการการก	20080-69905-1995070404 0	N8921009901000002201728
HEAN	2.7	2.7	2,5	2.1	1.0	1.7	1.3	1.1	1.3	1.0	2.5	3.0	
			L	ARGES	T HS(METER	S) BY	MONT	DIA H	YEAR	!		
		WIS S	TATIO	N 88	(38	.95N/	123.	73W T	0 38.	83N/	123.6	3H)	
						MONT	H						
	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	HOV	DEC	
R67890123456789012345 E555566666666777777 E95999999999999999	18071648986828776791	95385777770044074065 46545445344545634544	70866070252038778894	408-1-1220-1-1-1045-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	79745799476716478016	8-1-1:00:00 mo. 00 22111111311122212221	97319394089405837175	4992159651498090008852	AND CONSTRUCTION OF THE PROPERTY OF THE PROPER	37877800356043374476	75684661670470740201		
20 YR.										23.73	W TO	38.83	
MEAN FANDAS TANDAS TANDAS LACE TO LACE	IGNIFE AND DE PLANTE LANDER DE PLANTE LA PERENTE LA PER	ICANT IAVE P NT 30 VIATI VIATI VIATI VIATI VIATI VICTION OCCIATO GEST	WAVE ERIOD ON OF ON OF ED WIS NASS	HEIG GRÈE WAVE WAVE TH'LA OCIAT CURRE	HT (ČEŇT HS TP RGEŠT ED HI NCE I	ĖR) Ó HÀYĖ TH LA S (YR	IŘEČT HS RGEST	ion B	AND HS.	(METER SECON DEGRE METER SECON METER SECON DEGRE	5757 50557 5057 5057 5057 5057 5057	2.0 10.0 61.0 12.0 14.1 14.1 6912123

PHASE LAT PLANT FOR THE PHASE LATER PHASE	4,4- 6,1- 6,0 8,0 56	200 YEAR W 36.83N/123.6 135.00 OF 81-96-5 9.5 10.5 	PERIOD(SECO 10.67 11.37 11.7 13.3	NDS) 13.4- 15.4- 15.3 16.1	SUMMARY 14. 73N/123.51W 200 METERS ECTION 18.2- 22.3- 22.2 LONGER	TOTAL 56 00 00 00 00 00 00 00
	4.4- 6.1- 26.1 35.7 145.4 592.0 71.6 61.9 	20 YEAR W 120 YEAR W 121 YEA		NDS) 13.4- 15.4- 15.3 16.1	L SUMMARY 44. 73N/123-51W 100 METERS ECTION 18.2- 22.3- 22.2 LONGER	TOTAL 6599 8562399 400000
PHASE WAVE SHORE PHASE WAVE SHORE PERCEING PERCE	4.4- 6.1-0 6.0 8.692 3.5692 3.397 2.7413 		PERIOD (\$1.5.20	15.69 15.69	SUMMARY 74. 73N/123.51W 73N/123.51W 100 METERS 18.2- 22.3 GER 10 13 14 15 16 16 17 18 18 19 19 19 19 19 10 10 11 12 13 14 15 16 17 18 18 19	TOTAL 9255472500037237237003723703703723703703723703703703703703703703703703703703703703
PHASE WAYE SHORE PART RELATION OF THE PART PART PART PART PART PART PART PART	3 ST A SP APPROACH ANG LONE STAGLE 11 TOCCURREN 11 4.4-0 6.1-0 6.0 18 807 37 1331 179 887 LARGEST H	8 0 1 5 10 6 5 1 5 1 7 5 1 10 10 10 10 10 10 10 10 10 10 10 10 1	DEDING SECO	15. 3 18.1 15.3 18.1 15.3 18.1 15. 1 17. 18.1 17. 18.1 17. 18.3 17. 18.3 17. 18.3 17. 18.3 18.1 18.1 18.1 18.1 18.1 18.1 18.1	1 SUMMARY 104. 73N/123.51W 73N/123.51W 100 METERS ECTION 18.2.2.2.37 22.2.10NGER 18.2.2.2.37 22.3.10NGER 18.2.2.2.37 22.3.10NGER 22.3.10NGER	TO 15:46.09:00:0888

	3 ST. 69 PPROACH ANG DN. STARTE INE ANGLE : T OCCURRENC	20 YE 36 83N/1 135 63N/1 E(X1000)						
HEIGHT(METERS)	4,4- 6,1-	8,1 ₅	PERIO 0.5 11.7	11.8- 1 13.3	\$) 3.4- 15.4 15.3 18.	- 16.2- 23 1 22.2	3- ONGER	TOTAL
0.500 - 1.2233.499 0.5000 - 2.233.499 0.5000 - 3.3499 0.5000 - 4.999 0.5000 - 4.999 0.5000 - 4.999	17 17 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19	250961071 250954	; ; ; ;			•	:	557741081950 1718275678 2777221
3.00 - 3.49 3.500 - 4.99 4.500 - 4.99	: 54 : 1 : :		6 11 27 87 87 10 24 24 3 7 8 7	i		•	•	278 251 165 36
ŤOŤAL	120 697			3	o o	Ò	Ċ	
MEAN HS(M) = 2.91	LARGEST H	IS(M) = 5.	.51 MEAN	TP(SEC)	= 8.2	NUMBER OF	CASES =	1015
PHASE AND A LATE AND A	3 ST. 89 PPROACH ANG DN. START= INE ANGLE = T OCCURRENC					AL SUMMAR' 135.0 .730/123.1 0.00 METI RECTION	164.9 14 RS	
HEIGHT(METERS)	4,4- 6,1-	8.1- 9.5	PERIOR 0.5 10.6- 10.5 11.7	0(5ECOND 113871	S) 3.4- 15.4 16.3	- 18.2- 21 1 22.2	NGER	TOTAL
0.50 - 0.49 1.50 - 1.49 1.50 - 1.99 2.50 - 2.49 2.50 - 2.49 3.50 - 3.99 3.50 - 4.99 4.50 - 4.99 5.00 + 4.99 TOTAL	4,40 630 10 630 20 1	:	: :	:	: :	:	:	13
1.50 - 1.96 2.00 - 2.49	15 5 . 3	:	: :	:	: :	:	:	134003000000
2.50 - 2.79 3.50 - 3.49 3.50 - 3.99	: :	:		:	: :	:	:	Ö
4.00 - 4.49 4.50 - 4.99	: :	:	: :	:		:	:	Ó
TOTAL	48 12	Ö	Ó Ó	Ö	Ò Ó	Ġ	Ö	-
MEAN HS(M) = 1.19	LARGEST	IS(M) = 2.	.20 MEAN	TP(SEC)	= 5.6	NUMBER OF	CASES =	37
PHASE ALLAYER	3 ST . 89 PPROACH ANG ON. START= INE ANGLE = T OCCURRENCE	20 YE/ 38 83N/1 135 0 E(X1000)				AL SUMMARY)= 165.0 - .73N/123.1 0.00 MET! RECTION	180.0 IW RS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 6 9.5	PERIO 0.5 10.6- 10.5 11.7	13.3	5) 3,4- 15,4	- 18.2- 22 1 22.2 1	ONGER	TOTAL
0.500 0.500 1.500 1.500	6.0 8.0	, 7.5 1 :	: ::	:	: :		UNGER	8
1.05 - 1.49	: :	:	: :	:		:	:	Ö
001102999999999999999999999999999999999	: :	•	:	:	: :	:	:	8000000000
4.50 - 4.49 4.50 - 4.99		:	: ;	:	: :	:	•	ğ
IOIAL	å å	Ċ	ė ė	Ò	ó Ó	ò	ò	0
MEAN HS(M) = 0.11	LARGEST F	IS(M) = 0.	.17 MEAN	TP(SEC)	= 4.5	NUMBER OF	CASES =	5





WIS STATION 89 (38.83N/ 123.63W TO 38.73N/ 123.51W)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R657890123456789012345 E999999999999999999	ณณากรเลากระการของเการณากระลาการ เกาะเกาะสายกระการการการการการการการการการการการการการก	พณะเลียนที่สามารถการการการการการการการการการการการการการก	רפחסינות של מינים במינים ב	692874156874452407924	45445MONIAMONIMANAMANAMANAMANAMANAMANAMANAMANAMANAMA	לאסמסחקימים און האסמסחקימים איניים	99200009949492000104240	08190717190808919198	01-1-100-1-1-10-1-1-1-1-1-1-1-1-1-1-1-1	M747449946M969M4M466	700000000000000000000000000000000000000	0157150037089815780577481	MEA
MEAN	2.6	2.6	2.1	1.7	1.3	1.2	1.0	0.9	1.1	1.6	2.2	2.6	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 89 (38.83N/ 123.63M TO 38.73N/ 123.51M)

MONTH

	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 45555666666666777777 11111111111111111111	972750897455946496255	ชายายายายายายายายายายายายายายายายายายาย	mayandadan da da da da da da da da da da da da da	0.01-157778977746150461500	2007-0177-0920989949400	211111111111121111111111111111111111111	77-06426456642674-19-14	65967-16-17-56-17-25647-45	231371211112222211247714491	คณากกณฑกณฑณฑณฑกณฑกาก	9-000-4110MNN-9-4M07-00-00-00-00-00-00-00-00-00-00-00-00-0	no-1100000000000000000000000000000000000

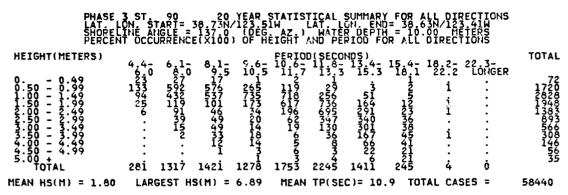
20 YR. STATISTICS FOR PACIFIC STATION 89 (38.83N/ 123.63W TO 38.73N/ 123.51W)

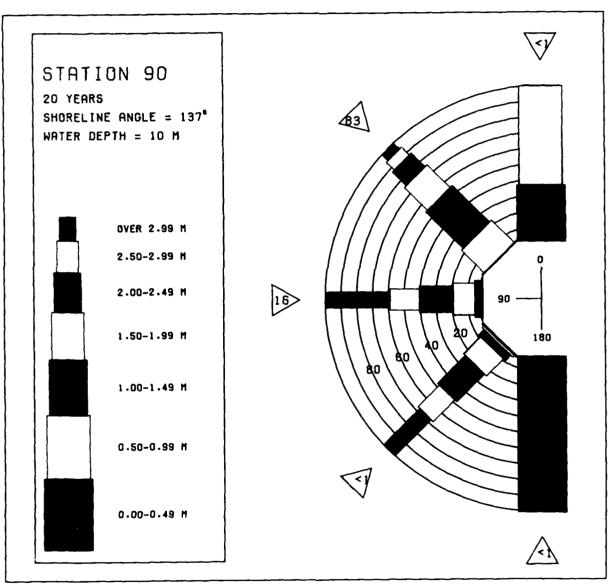
MEAN SIGNIFICANT HAVE HEIGHT MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND STANDARD DEVIATION OF WAVE HS STANDARD DEVIATION OF WAVE TP	. (SECONDS) . (DEGREES)	1.7 10.8 60.0
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS : : : : : :	(SECONDS) (METERS) (SECONDS) (DEGREES)	2.6 6.3 14.8

PHASE LATIRE PHAVE SHORE PERCEIN PERCE	4.4- 6.1- 64.0 8.0 		AVE DIRECTION TO SHORE IN COMMENT TO SHORE IN COMMENT TO SHORE IN COMMENT TO SHORE IT IS A SHORE IT	(DS) 15.3 16.1 15.3 16.1 15.3 16.1 15.3 16.1		TOTAL 46000000000000000000000000000000000000
PHASE HAYE LAT. PHASE HAYE LAT. PER CEI SHORE PARCE IN THE ISH OF	4.4-6.1- 1860 2660 1336 5258 840 567 71 5667 1 		AVE DIRECTION TO SHORELINE THE SHORE	(DS) 13.4- 15.4- 15.3 16.1 	SUMMARY 44.9 3N/123 - 44.9 00 METERS CTION 18.2- 22.3- 22.2 LONGER	TOTAL 469 75535 57535 61 00 00 00 = 8641
PHASE LATTREE PH	4.4- 6.10 3.00 3.00 2.30 6.43 2.30 2		. 16 17214 22245 1	15. 4-1 15. 4-1 15. 4-1 15. 4-1 16. 25. 31 16	SUMMARY 74.9 3N/123.41W 07123.41W 07	TOT4L 234 9648 223655 179824 1888470 4874 11147 283
PHASE LEIGHT (METERS) HEIGHT (METERS) 0.9499 1.0499 1.0500 1.05000 1.05000 1.05000 1.05000 1.05000 1.05000 1.05000 1.05000 1.050000 1.050000 1.050000 1.050000 1.0500000 1.05000000 1.050000000000	3 ST . 90 NG APPROACH ANG = = (10 N - ANG E - N - ANG	20 YEAR WE 5G CONTROL OF STATE	AVE DIRECTION FOR SHORE IN ECON LATINE CON LATINE CON L		SUMMARY 75.0 - 104.9 3N/123 41W 00 METERS CTION 18.2- 22.3- 22.2 LONGER : : : : : : : : : : : : : : : : : : :	TO 155,007,48,47,48

PHASE WAYE LATOREI PERCEN	3 ST PPROACH OH. STA THE AND IT OCCUR	90 H ANGLI ART = 36 SLE = 36 RENCE	20 Y E(RELA 3.73N/ 13700 (X1000	EAR WATIVE 1 123.51 (DEG.) OF I				TICAL EES)= 38.6 = 10. DIRE	SUMMAR 105.0 30/123. 00 MET CTION	134.9 41W ERS	
HEIGHT(METERS)	4.4- 6.0	6 8 1 0 3 5	8,1,	9.6 <u>-</u> 10.5	PERIOD(10,6-1 11.7	SECONO 13.3	(S) 13.4- 1 15.3	5.4- 18.1	18.2- 2 22.2	2.3- LONGER	TOTAL
- 0.49 0.50 - 0.99 1.50 - 1.99 2.50 - 2.49 2.50 - 3.49 2.50 - 3.49 3.50 - 4.99 4.50 - 4.99 5.00 - 4.99 TOTAL MEAN HS(M) = 2.93	13 547 27 	116 116 1304 1919 1591 	200 111 1895 1477 1567	17 422 78 13 247		٠٠٠٠٠ ساميليان		: : : : :		; ; ; ; ;	35708928608 299194441 133221
MEAN HS(M) = 2.93	LARG	EST HS	(M) =	5.61	MEAN T	P(SEC)	= 8.	2 NU	MBER OF	CASES =	996
PHASE WAVE LAT SHORE PERCE!	3 ST PPROACH ON. ST INE AND	90 LANGLI ART 31 SLE = RRENCE	20 Y 1 RELA 1 7311/ 1 37 00 (X 1 0 00	EAR WATER	AZ)	CTION LINE I T. LON WATER ND PER	STATIS IN DEGR I END = DEPTH IOD BY	TICAL EES)= 38.6 = 10.	SUMMAR 135.0 30/123 00 ME1	14 - 164.9 41W TERS	
HEIGHT(METERS)	46.50	6;1ō	8,1-	9.6- 10.5	PERIOD(10.6-1	SECONO 1.8-1 13.3	(S) (3.4- 1 15.3	5.4- 18.1	18.2- 2 22.2	2 3- LONGER	TOTAL
- 0.49 0.500 - 1.99 1.550 - 1.22 2.550 - 2.49 2.550 - 2.49	6 20 15	361	•	•	:	:	•	•	:	•	98165100000
3.50 - 3.99	:	ĭ :	:	:		:	:	:		:	1000
4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	: 41	: 17	: Ó	: ò	: ò	: ò	: ò	: ò	: ò	: ò	ŏ
MEAN HS(M) = 1.25	LARG	EST HS	(M) =	2.56	MEAN T	P(SEC	= 5.	9 NUI	MBER OF	CASES =	37
PHASE WAYE LATE SHORE PERCER	3 ST APPROACI ON. ST INE AN	90 H ANGLI ART = 3 SLENCE	20 Y E(RELA B.73N/ 13700	EAR WA TIVE 123.5 (DEG.				TICAL (EES)= 38.6 = 10.	SUMMAR 165.0 3N/123. 00 ME1	RY - 180.0 41W FERS	
HEIGHT(METERS)	4,4 <u>-</u> 6.0	6.1-	8,1-	9.6. 10.5	PERIOD(10.6~1 11.7	SECOND 13.3	(5) (3.4- 1 15.3	5.4- 18.1	18,2- 2 22.2	2.3- LONGER	TOTAL
	:	•	:	:	:	:	:	:	:	:	000
9 kn = 9 dd	:	:	•	:	:	:	:	:	•	:	0000000000
3.50 - 3.49 3.50 - 3.99 4.00 - 4.49 4.50 + 4.99 5.00 +	• • •	: :	:	•	:	; ;	:	: :	•	:	9000
IUIAL	U	U	Ŏ	0	Ŏ	Ö	U	Ò	Ō	U	

MEAN HS(M) = 0. LARGEST HS(M) = 0. MEAN TP(SEC) = 0. NUMBER OF CASES = 0



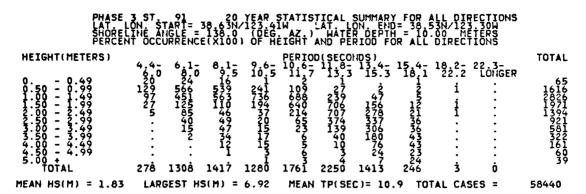


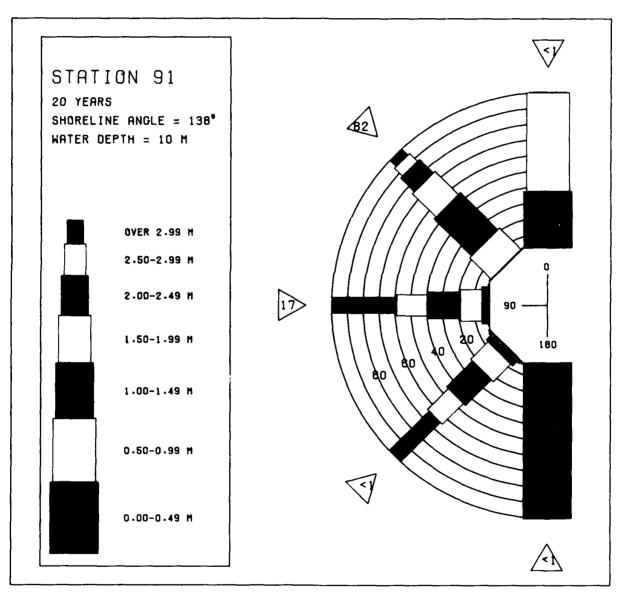
MEAN HS(METERS) BY MONTH AND YEAR WIS STATION 90 (38.73N/ 123.51W TO 38.63N/ 123.41W) MONTH

						MONI	н						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	617670947151741848471 8817881718178178188	งกรากงากงางกางงางกางกางกางกางกางกางกางกางกา	874867748774894468776697	6929866698455571080215	5-6-4-5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	4000-10-10-10-10-10-10-10-10-10-10-10-10-	9920099950102120922211	191907180918190100099		78474597474060554567	80-10406mm40mm44.09m49	06757M77898679748191	N67988778988780078196
MEAN	2.7	2.7	2.2	1.8	1.4	1.2	1.1	1.0	1.1	1.6	2.2	2.7	
			_	ARGES					DHA H				
		WIS S	TATIO	N 90	(38	.73N/		51W T	0 38.	63N/	123.4	1H)	
			W.5	400	MAV	MONT						250	
VEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1117111111111111111111111111111111111	97486H99MKM446HMM99	700-1471004007-1-040040	NATURAL PROPERTY OF THE PROPER	GM2000000000000000000000000000000000000	MYCHANGE TO CONTROL TO	49996960008679009047	48065765666477842015	6-60887-62867-282-69-585M	007377300546570045501	404477096670824721104	0-10-14564884598927901	49221764684969269767	
20 YR.	STAT	ISTIC	S FOR	PACI	FIC S	TATIO	N 90	(38.7	3N/ 1	23.51	н то	38.63	N/ 123.41W)
MEAN SP MEAN P MEAN P MOST FI STANDAI STANDE LAYER AVER AVER OATE	IGNIF EAK WE REQUE RD DE RD DE	ICANT AVE P NT 30 VIATI VIATI OCCITIO GEST	WAVE ERIOD ON OF ON OF ED WIS ED ASS								METERN SECORE METERN METERN SECTERN SECORE DEGRE		10.9 60.9 60.9 2.6 14.3 197.6 63013121

PHAS WAYE LAT SHOR SHOR PERCI HEIGHT(METERS)	APPROACH AN LON. STARTE LINE ANGLE LINE ANGLE ENT OCCURREN	GLE(20 YEAR 38,63N/123 38,63N/123 31,380 (0 CE(X1000) 0	WAVE DIRE E TO SHORE 41W LAZ EG AZ) F HEIGHT A	ECTION STATE LINE IN D	GREES C GREES C D= 38.53N/1 H = 10.00 BY DIRECTION	MARY 23.30H 16.9 16.9 N	TOTAL
99999999999999999999999999999999999999	44- 61-	- 891- 90 - 10 - 10	6- 10.6-1 5 11.7 :	13.3 13.4	3 15.4- 18.2 18.1 22	2 LONGER	440000000000000000000000000000000000000
TOTAL	 44 ò	ò	 Ö Ö	 0 0	Ò Ò	ò	8
MEAN HS(M) = 0.10	LARGEST I	HS(M) = 0.2	7 MEAN T	P(SEC) =	4.7 NUMBER	OF CASES :	= 26
PHASE WAYE SHORE PERCE	APPROACH ANG LON. START= LINE ANGLE HT OCCURREN		WAVE DIRE E TO SHORE 41W LA E AZ L HEIGHT A	CTION STAT LINE IN DE T. LON. EN WATER DEPT ND PERIOD	ISTICAL SUM GREES)= 15 D= 38,53H/1 H = 10.00 BY DIRECTIO	MARY 0 - 44.9 23.30W METERS N	
HEIGHT(METERS)	4,4- 6,17 157 217 1288 4969 894 4000 80 756	8 9 1 - 9 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PERIOD(5- 10.6- 1 5- 11.7	\$ECONDS) 13.3 15.3	15.4~ 18.2 18.1 22.	- 22 3- 2 LONGER	TOTAL
99999999999999999999999999999999999999	4,4- 6,1- 6,0 217 157 217 1288 4969 894 4002 80 710	860 1052 195				•	391 7117 5948 985
94999999999999999999999999999999999999	. 56	-10 :	•			: :	663
3.50 - 3.79 3.50 - 4.99 4.50 - 4.99 5.00 +		•	•			:	630000
TOTAL MEAN HS(M) = 1.02	2419 9957 LARGEST H	2134 (IS(M) = 2.72) Ö ! Mean ti	OOO P(SEC) =	Ö Ö 7.0 NUMBER	Ö OF CASES =	•
PHASE HAYE LATORE PERCE	3 ST 91 APPROACH ÂNG LON START= LINE ANGLE = NT OCCURRENC	20 YEAR LE(RELATIVE 36.63N/123 138.0 E(X1000) OF	WAVE DIRE TO SHORE 41W LA G. AZ.)	CTION STAT LINE IN DE T LON. EN WATER DEPT NO PERIOD	ISTICAL SUM GREES)= 45 0 530/1 1 = 10.00 BY DIRECTION	1ARY 10 - 74.9 23.30W 1ETERS	
PHASE WAYE LATE SHORE PERCE HEIGHT(METERS)			WAYE DIRE TO SHORE 41W LA G AZ.) HEIGHT A PERIOD(- 10,6-1	CTION STAT TINE IN DE TINE ON DE TINE ON DEPT WATER DEPT NO PERIOD OF SECONDS)	ISTICAL SUM GREES) = 45 D= 38.53N/1 H= 010.6010 BY 010.60100		TOTAL
PHANE REL PHANE REL	4.4-0 6.50 150 163 176 176 176 176 176 176 176 176 176 176		PERIOD 1 1016-7 1028 277 1088-711 37 1088-111 37 1088-	SECOND 3 1 - 3 8 9 3 9 4 7 8 8 3 4 7 8 8 9 3 9 9 3 9 9 9 9 9 9 9 9 9 9 9 9 9	1000 100 110 110 110 110 110 110 110 11		TOT AL 299095171687 2011105952721581 928184221 311184221
HEIGHT (METERS)	4.4~ 6.1- 6.0 9-10 13 670 18 436 35 2268 . 11 . 1 	9-0-1-5-2-1-1-5-2-1-1-5-2-1-1-5-2-1-1-5-2-1-1-1-1	PERIOD 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SECONDS) 1-3 11-3 11-3 11-3 11-3 11-3 11-3 11-3	15.84-18.2 15.00 10 12.00 10 10 10 10 10 10 10 10 10 10 10 10 10 1	22.3- LONGER : : : : :	9990951716887 233663272581 92813942581 2113842143
HEIGHT (METERS) 0. 499 1.000 - 1.499 1.000 - 1.2499 1.000 - 3.499 1.000	4.4~ 6.1- 6.0 9-10 13 670 18 436 35 2268 . 11 . 1 	8 9 5 9 6 9 6 9 5 9 6 9 5 9 6 9 5 9 6 9 5 9 6 9 5 9 6 9 5 9 6 9 5 9 6 9 5 9 6 9 5 9 6 9 5 9 6 9 5 9 6 9 5 9 6 9 5 9 6 9 5 9 6 9 5 9 5	PERIOD 1 100-5 100	SECONDS) 4-3 113.3 15.8 273.1 15.8 273.1 15.8 273.1 15.8 273.1 15.8 273.1 15.8 273.1 15.8 273.1 15.8 273.1 17.8 273.1 17.	15.4-18.2.16.10.10.10.10.10.10.10.10.10.10.10.10.10.	22.3- 2 LONGER : : : : :	9990951716887 233663272581 92813942581 2113842143
HEIGHT (METERS) 0.50 - 0.499 1.50 - 1.499 1.50 - 1.499 2.500 - 2.499 2.500 - 3.499 4.50 - 4.99 5.00 - 4.99 5.00 - 4.99 4.50 - 4.99 FOTAL MEAN HS(M) = 1.91 FHASE WAVE SHORE SHORE HEIGHT (METERS)	4.4~ 6.1~ 6.0 9.0 3 6.76 18 2.768 2.768 2.768 2.768 2.768 2.768 2.768 2.768 2.768 2.779 2.	8 9 1 5 9 6 9 2 1 5 5 6 9 2 1 5 6 9	PERIOD 1 10058 277 10058 277 10058 277 10058 277 10058 277 10058 277 10058 277 10058 277 10058 277 10058 100	SECONDS) 13.3 13.3 13.3 13.3 13.3 13.3 13.3 13.	15.6.1 10 16.00	22.3- 2 LONGER : : : : :	223669517 223669517 22611303972565837 47132
HEIGHT (METERS) 0. 499 1.000 - 1.499 1.000 - 1.2499 1.000 - 3.499 1.000	4.4~ 6.1- 6.0 9.0 3 6.70 18 436 35 2768 . 461 . 11 	8 9 5 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6	PERIOD 1 1016-7 1098-8 10956-77 10958-7	SECONDS) 4-3 113.3 15.8 273.1 15.8 273.1 15.8 273.1 15.8 273.1 15.8 273.1 15.8 273.1 15.8 273.1 15.8 273.1 17.8 273.1 17.	15.6.1 10 16.00	22.3- 2 LONGER 	299095171687 201110395221581 201110395221581 311184221 477

PHASE 3 WAYE AF LATORELI PERCENT	PROACH ANGI PROACH ANGI NE ANGLE = OCCURRENCI	20 YEAR E(RELATIYE 38.63N/123. 138.0 (DE E(X1000) OF	HAVE DIR TO SHOR 414 AZ) HEIGHT	ECTION ELINE II AT. LON WATER (AND PER	STATISTI N DEGREE DEPTH = JOD BY D	CAL SUMM/ 5)= 105.0 8.53N/12: 10.00 ME IRECTION	ARY 0 - 134.9 3.30W ETERS	
HEIGHT(METERS) 0.50 - 0.49 0.50 - 1.49 1.50 - 1.49 2.50 - 2.49 2.50 - 2.49	4.4- 6.1- 6.0 8:0 . 35	8,1- 9.6 9.5 10.	PERIOO - 10.6- 5 11.7	(SECOND:	§) 3.4- 15. 15.3 18	4- 18,2- :1 22.2 : :	22.3- LONGER	TOTAL 35
0.50 - 0.49 0.500 - 1.49 0.500 - 1.29 0.500 - 1.29 0.500 - 1.39 0.500 - 4.99 0.500 - 4.99 0.500 - 4.99 0.500 - 4.99 0.500 - 4.99 0.500 - 4.99	10 11 53 114 22 2891 - 154 	38 17 185 17 198 42 1455 98 1455 88	MOUNTS	: : :			:	M54500078600 088094540 135001
5.00 + TOTAL MEAN HS(M) = 2.95	85 670 Largest H	58i 254 6(M) = 5.66		3 7 TP(SEC)	ó = 8.3	Ó Ó NUMBER (Ó OF CASES ≃	
PHASE ALL WAYE ALL SHOREN PERCENT	ST.CH 91 PROACH ANG! PROACH ANG! PROACH STARTE OCCURRENCI	20 YEAR E RELATIVE 80.63N/102 1380 (02 (X1000) OF	WAVE DIR TO SHOR 41W L G AZ) HEIGHT	ECTION : ELINE II AT. LON WATER ! AND PER	STATISTI N DEGREE SEND= 3 DEPTH = IOD BY D	CAL SUMM/ S)= 135.0 8.53N/12: 10.00 ME 1RECTION	ARY) - 164.9 3.30W ETERS	
HEIGHT(METERS)	4,4- 6,1 ₀	8,1- 9,6 9.5 10.	PERIOD - 10.6- 5 11.7	(SECOND	5) 3.4- 15. 15.3 18	4- 18.2- .1 22.2	22.3- LONGER	TOTAL
0.5999999999999999999999999999999999999	15 13		•				:	9508M170000
3.50 - 3.99 4.50 - 4.99 5.00 + TOTAL	: : 34 22	: : 6 6	: : ô	: :	:	: : • •	: : 0	000
MEAN HS(M) = 1.26	LARGEST H	5(M) = 2.57	MEAN	TP(SEC)	= 6.0	NUMBER (OF CASES =	35
PHASE AF WAYE AF LAT LI SHORELI PERCENT	ST. 91 PROACH ANG N. START= NE ANGLE = OCCURRENCI	20 YEAR LE(RELATÎVE 38.63N/123. 138.0 (DE				CAL SUMM/ \$)= 165.(8.530/12: 10.00 ME TRECTION	ARY) - 180.0 3.30W ETERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8,1- 9,6 9.5 10.	PERIOD - 10.6- 5 11.7	(SECOND 11.8- 1	§) 3.4- 15. 15.3 18	4- 18.2- .1 22.2	22.3- LONGER	TOTAL
0.49 - 0.499 - 0.499 - 1.499 - 1.499 - 1.499 - 1.500 - 1.499 - 1.500 - 2.499 - 1.500 - 4.499 - 1.500 + 4.99 - 1.500 + 4.90 - 1.500 + 4.00 - 1.500	: :	: :	:	:	: : :		:	00000000000
3.50 - 3.49 3.500 - 4.49 4.500 +								00000
MEAN HS(M) = 0.	0 0 LARGEST H	0 Ó 5(M) = 0.	O MEAN	Ò TP(SEC)	Ò ≈ 0.	Ó Ó NUMBER (0 DF CASES =	0





MIS STATION 91 (38.63N/ 123.41W TO 38.53N/ 123.30W)

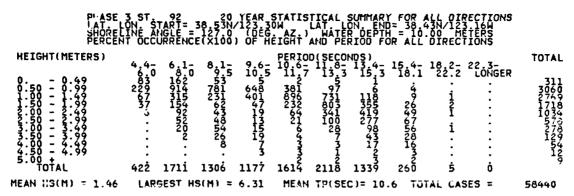
		MT2 2	IAIIU	M AT	(30	. 0 3N/		4TM I	U 30.	3 3N/	163.3	UMI	
						MONT	Н						
	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
T1111111111111111111111111111111111111	derection of the second of the	ปราการแกรงสารงานราชาวารงานราชาวารงานราชาวารงานราชาวารงานราชาวารงานราชาวารงานราชาวารงานราชาวารงานราชาวารงานราชาวารงาน	844000111000000000000000000000000000000	69m9866698000000000000000000000000000000	564554-20054-204454-685	52021-307242014244540	10111001111111111011111	19191718291819920209	94149923103601139415	714444102041101010114411	สนานานานานานานานานานานานานานานานานานานา	16867787809679748400	N68088778988880089106
MEAN	2.7	2.7	2.2	1.8	1.4	1.2	1.1	1.0	1.1	1.6	2.3	2.7	
		WIS S		ARGES		METER .63N/ MONT	123.				123.3	0W)	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67899123456789012345 4655566666667777777 111111111111111111111	กากงานออกเกเกงง (สากกรรมกา	7-15044505-184207-4-1649	madamatananadananananan	การการเลยอยกอยกอยลง 667-64 การการเลยอยกอยกอยลง 667-64	477130077003104154670	59006070038679140158	1-12-1-1-1-12-1-1-12-1-1-12-2-15	76198162867282695853	207347409-05-0588215507	41548800677492488814 88888888888888888888888888888888	021-215-07-4885509-027-1-1-1	40231765685969270867 452444345544446546543	

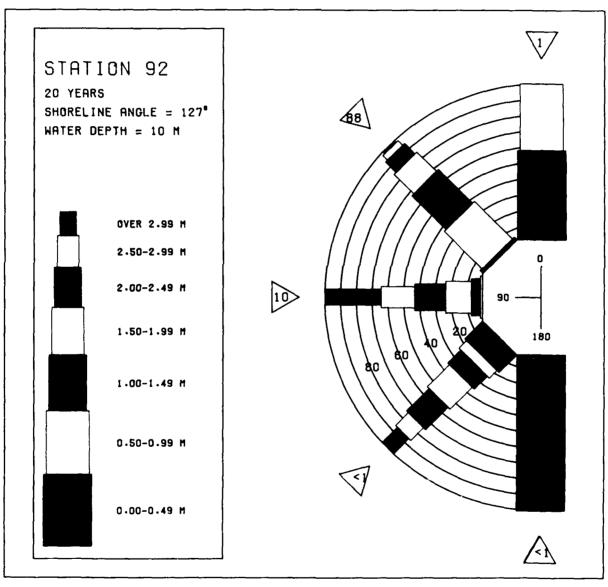
20 YE	STATISTICS	FOD	DACTETC	STATION	91	/ TA	ATNI	193	41 W	TO	TA.	EZNI	193	ZNU)	

MEAN SIGNIFICANT WAVE HEIGHT	1.8 10.9 60.0
STANDARD DEVIATION OF WAVE TP LARGEST WAVE HS LARGEST WAVE HS LARGEST WAVE HS LARGEST WAVE HS LARGEST WAVE HS LARGEST WAVE HS LARGEST WAVE HS LARGEST HS L	0.9 2.6 6.9 14.3 72.4 69121203

PHASE WAYE A LAT 1 SHORE PERCEN HEIGHT(METERS)	3 ST 92 SPPROACH ANG ON START THE ANGLE : IT OCCURRENCE	20 YEAR LE(RELATIVE 38.53N/123 127.0 (DE E(X1000) OF			ISTICAL SUMM GREES)= 0 D= 30.43N/12 H = 10.00 BY DIRECTION		TOTAL
0	4.4- 6.1- 6.0 6.0 138 .	81- 9.6 9.5 10.	5 11.7	13.3 15.3	15.4- 18.2- 18.1 22.2 	22 3- LONGER	138
7:50 - 4:99 5:00 + FOTAL	: : 138 ò	: : :		: : ò ò	: : ò ò	: : ò	000
MEAN HS(M) = 0.10	LARGEST F	IS(M) = 0.35	MEAN TI	P(SEC) = ·	4.6 NUMBER	OF CASES =	81
					ISTICAL SUMM GREES)= 15. D= 30.43N/12 H = 10.00 M BY DIRECTION		
HEIGHT(METERS) 0 0.49 0.50 - 0.99 1.00 - 1.49 1.50 - 1.99	4.4- 6.1- 55:0 1586 2210 8949 2444 2796 20 621	8.1- 9.6 196 10.9 2425 . 925 . 147 .	PERIOD(9 10.6-1 5 11.7	SECOMDS) 18- 13.4- 13.3 15.3	15.4- 18.2- 18.1 22.2 : : :	22 3- LONGER	2332 13600 4165 788
2.50 - 2.99 3.50 - 3.99 3.50 - 4.49	20 621	147	•			•	788 51 00 00
4.50 - 4.99 5.00 + TOTAL MEAN HS(M) = 0.84		 3714 Ö IS(M) = 2.39	Ö	 0 0 P(SEC) =	 0 0	Ö OF CASES =	10070
11EAN 115(11) - 0.04	LARGEST	3(11) - 2.37	ITEAN I	r(SEC) -	7.1 NUMBER	UF CASES -	16637
PHASE WAVE A LAY . SHOREL PERCEN	3 ST. 92 PPROACH ANG ON. START= INE ANGLE : IT OCCURRENC		HAVE DIREC TO SHORE! 30W LA 30W LA HEIGHT A	CTION STAT LINE IN DE T. LON. EN MATER DEPT ND PERIOD	ISTICAL SUMM GREES)= 45 D= 38.43N/1 H = 10.00 BY DIRECTION	ARY 0 - 74.9 3.16W ETERS	
HEIGHT(METERS)			PERIOD(ŞEÇONDŞ)	15.4- 18.2- 18;1 22.2		TOTAL 501 16911 23184
HEIGHT (METERS) - 0 .499 1 12.949 - 5000 12.949 - 5000 12.949 - 12.5000 14.99 - 12.5000 14.99 - 12.5000 14.99	4.4- 6.1-		PERIOD(SECOND 3 1 1 1 6 6 0 7 7 6 6 1 1 1 1 5 5 7 7 6 1 1 1 5 5 7 7 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4- 18.2- 18;1 22.2		
HEIGHT (METERS) - 0.49 0.500 - 1.99 1.500 - 2.49 2.500 - 2.49 2.500 - 3.49 3.500 - 3.49	4.4- 6.1- 6.0 8.0 2.3 145 6.3 395 10 164 . 17 		PERIOD (1) 10 10 10 10 10 10 10 10 10 10 10 10 10	SECONDS 1 13.3 15.0 13.3 15.0 16.0 16.0 16.0 16.0 16.0 16.0 16.0 16	15.4- 18.2- 18,1 22.2	22.3- LONGER 	591844 591844 691844 69143 6914 6914 6914 6914 6914 6914 6914 6914
HEIGHT (METERS) 0 - 0 . 499 1 . 999 1 . 949 2 . 500 - 1 . 949 2 . 500 - 2 . 949 3 . 500 - 4 . 99 4 . 500 - 4 . 99 5 . 00 - 4 . 99 5 . 00 - 4 . 99 6 . 00 - 4 . 99 6 . 00 - 4 . 99 6 . 00 - 4 . 99 7 . 00 - 4 . 99 8 . 00 - 4 . 99 8 . 00 - 4 . 99 9 . 00 - 4 . 99 MEAN HS(M) = 1.56	4.4- 6.1- 6.0 8.7 2.3- 1.45 2.3- 1.45 3.95 10 1.78 	8 1- 9 6 3 25 10; 3 25 4488 5 357 6488 1 370 151 2 10 6 3 2 10 6 3 3 7856 112 32 15(M) = 6 31	PER 100 (1) 10 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	SECONDS) 135-3 1135-3 1135-3 157-5 158-6 166-6 168-6 1	15.8 122 4-1 182 182 1925 1935	22.3- LONGER 	591844 591844 691844 69143 6914 6914 6914 6914 6914 6914 6914 6914
HEIGHT (METERS) 0 - 0 .49 0 - 0 .99 1 .500 - 1 .99 2 .500 - 2 .99 3 .500 - 3 .99 4 .500 - 4 .99 5 .00 - 4 .99 5 .00 - 4 .99 5 .00 - 4 .99 6 .00 - 4 .90 6 .00 - 4 .90 6 .00 - 4 .90 6 .00 - 4 .90 6 .00 - 4 .00 6 .00 - 4 .00 6 .00 - 4 .00 6 .00 - 4 .00 6 .	4.4-6.1-6.1-6.1-6.1-6.1-6.1-6.1-6.1-6.1-6.1	8 1- 9 6 3 457 6488 1 3 57 6488 1 400 157 2 1 1 6 3 1 7 1 2 2 1 0 6 3 1 2 2 1 0 6 3 1 2 2 1 0 6 3 1 2 2 1 0 6 3 1 2 2 1 0 6 3 1 2 2 1 0 6 3 1 2 2 1 0 6 3 1 2 2 1 0 6 3 1 2 2 1 0 6 3 1 2 2 1 0 6 3 1 2 2 1 0 6 3 1 2 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PER I OD (1) 10 1 - 7	SECONDS) 4-3 113-3 110 125-3 110 125-3 125-7 125-3 br>125-7 125-7 125-7 125-7 125-7 125-7 125-7 125-7 125-7 125-7 125	15.4-1 1822-157 4-1 122 157 4-1 122 157 2-1 1207 2-1	22.3- LONGER 	5011 5011 16918488 9184889 169143489 16914 169149 16914 169149 16914 169149 169149 169149 169149 169149 169149 169
HEIGHT (METERS) - 0.499 - 0.499 - 0.499 - 1.999 - 1.999 - 1.500 - 2.399 - 2.399 - 3.499 - 3.499 - 3.499 - 4.499 - 5.00 - 4.499 - 5.00 - 4.499 - TOTAL MEAN HS(M) = 1.56	4.4- 6.1- 6.0 8.7 2.3- 1.45 2.3- 1.45 3.95 10 1.78 	8 1- 9 6 3 1- 9 6 3 1- 9 6 3 1- 9 6 5 10 7 5 10 7 5 10 7 5 10 7 5 10 7 5 10 7 6 112 32 10 7 7856 112 32 15 (M) = 6 .31 15 (M) = 6 .31 15 (RELATIVE 3 12 7 0 (DEE 15 (X1000) OF	PER 100 (1) 101-7	SECONDS) 4-3 113-3 110 125-3 110 125-3 125-7 125-3 br>125-7 125-7 125-7 125-7 125-7 125-7 125-7 125-7 125-7 125-7 125	15.8 122 4-1 182 182 1925 1935	22.3- LONGER 	114448665925 59168444895564 6359411 1219411 3921 421

PHASE Wave a Latorel Percen	3 ST 92 PPROACH ANO ON START= INE ANGLE : T OCCURRENCE	20 YEAR SLE(RELATIVE 38.53N/123. 127.0 (DE E(X1000) OF				SUMMARY 105.0 - 134 3N/123.16W 00 METERS CTION	.9
HEIGHT (METERS) 0 - 0 .49 0 .50 - 1 .99 1 .500 - 1 .99 2 .500 - 3 .49 2 .500 - 4 .49 4 .50 - 4 .99 5 .00 + 4 .99 5 .00 + 4 .99 5 .00 + 4 .99 6 .00 + 4 .99 6 .00 + 4 .99 6 .00 + 4 .99 6 .00 + 4 .99 7 .00 + 4 .99 6 .00 + 4 .99 7 .00 + 4 .99 7 .00 + 4 .99 8 .00 + 4 .99 8 .00 + 4 .99 8 .00 + 4 .99 9 .00 + 4 .99 8 .00 + 4 .99 9 .00 + 4 .99 8 .00 + 4 .99 9 .00 + 4 .90 9 .00 + 4 .90 9 .00 + 4 .90 9 .00 + 4 .90 9 .00 + 4 .90 9 .00 + 4 .90 9 .00 + 4 .90 9 .00 + 4 .90 9 .00 + 4 .90 9 .00 + 4 .90 9 .00 + 4 .90 9 .00 + 4 .90 9 .00 + 4 .90 9 .00 + 4 .90 9 .00 + 4 .90	4.4-0 6.1 6.0 85 75-5 154 155-9 1548 1.58 1.58 1.58 1.58 1.58 1.58 1.58 1.58 1.58 1.58		PERIOD 10.6-7 11.7 1	0(SECONDS 113.3 1 13.3 1 	3)4- 15 4- 5.3 18.1 	18 2- 22 3- 22.2 LONGE	TOTAL R 2552 13291 3277 22597 1572 188
	3 ST. 92 PPROACH ANG ON. START= INE ANGLE = IT OCCURRENCE	20 YEAR 20 YEAR 38 53N/123 127 0 (00 E(X1000) Of	WAVE DIF TO SHOR 30W (G AZ)	RECTION S RELINE IN LAT. LON. WATER O AND PERI		SUMMARY 135.0 - 164 3N/123.16W 00 METERS CTION	9 TOTAL
99999999999999999999999999999999999999	4.4-0 6.1 126 8.1 3 10 	8 9.5 10 9.5 10	5 11.7	113.3 1	5.3 18.1 	18.2- 22.3- 22.2 Longe	R 1272 133 100 000 000 000 000 000 000 000 000
MEAN HS(M) = 0.42 PHASE WAYE A LAT- SHOREL PERCEN	LARGEST H	20 YEAR GLE(RELATIVE 38.53N/123 127.0 (DE E(X1000) OF	HAVE DIF TO SHOR 30H (G. AZ.) HEIGHT		TATISTICAL DEGREES)= END=300 EPTH=100 OD BY DIRE	SUMMARY 165.0 - 180 30/123.16W 00 METERS CTION	.0
HEIGHT(METERS) 0.499 1.099 1.099 1.099 1.099 1.090 1.099 1.000 1.099 1.000 1.099 1.000 1.099 1.000 1.099 1.000 1.	4.4- 6.1 6.0 8.0 	8,1- 9,6 9,5 10 		0(SECONDS 113.3 1 13.3 1 		18.2- 22.3- 22.2 LONGE	0000000000





WIS STATION 92 (38.53N/ 123.30W TO 38.43N/ 123.16W)

	_		-	-	
м		N	п	н	

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	N882N7-6-17-16-1089-02-04-6	080/55/20700005/780601	48962978978609788419	mnayamavanavana	2512021900119911101040	20808060120891911218	77088777289708979009	97978696088796798087	61010011001100010100	95-14-1-157-22-1-05-62202155	4565951989670597M084	TOMOROMANA TOMOROMANA	234654445544456645762 Entratablished the control of
MEAN	2.2	2.2	1.8	1.4	1.1	1.0	0.9	0.8	0.9	1.3	1.8	2.2	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 92 (38.53N/ 123.30W TO 38.43N/ 123.16W)

MONTH

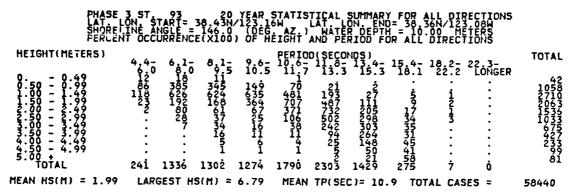
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV	DEC
2.7-87-9.2.30-19-20-2.5.7-87-87-87-87-9.2.30-19-20-2.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5	7477474000004947666

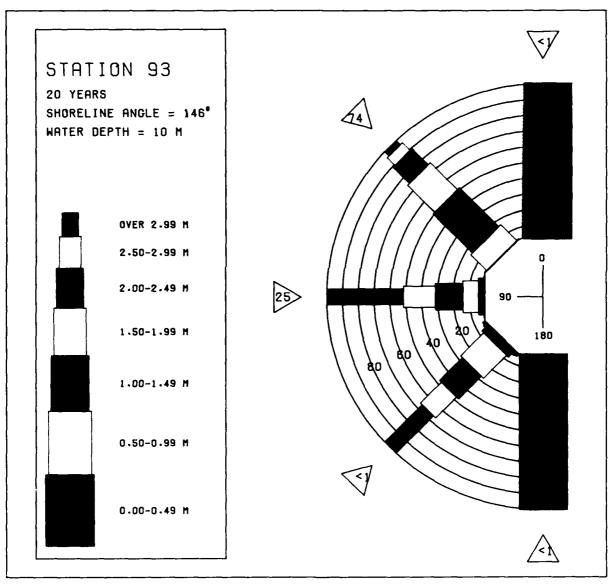
20 YR. STATISTICS FOR PACIFIC STATION 92 (38.53N/ 123.30W TO 38.43N/ 123.16W)

MEAN SIGNIFICANT HAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECCNDS)	,1.5
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	1.5 10.6 60.0
STANDARD DEVIATION OF WAVE TO	0.8
	6.3 14.3 73.3
WAVE TO ASSOCIATED WITH LARGEST WAVE AS (METERS) WAVE TO ASSOCIATED WITH LARGEST WAVE AS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	47017333
DATE OF CARGEST HS OCCURRENCE IS (TR, NO, DA, NR)	02012151

PHASE HAVE LATE SHORE PERCE	3 ST. 93 APPROACH AN LON. START= INE ANGLE TOCCURREN	GLE(RELATIV 38,43N/123 = 146.0 (D CE(X1000) U	HAVE DIR E TO SHOR 16W L EG AZ) F HEIGHT	ECTION STA ELINE IN DI AT. LON. EI WATER DEP AND PERIOD	TISTICAL EGREES)= ND= 38.361 TH = 10.01 BY DIREC	SUMMARY 0 0 123.084 0 METERS TION	9
HEIGHT(METERS)						8.2- 22.3- 22.2 LONGE	TOTAL
0.49 - 0.49 - 0.99 - 1.99 - 1.99 - 2.49 - 2.49 - 3.49 - 3.49	4640 61.			13.3 15.	\$ 18.1 :	22.2 LONGE	30000000000000000000000000000000000000
MEAN HS(M) = 0.04	LARGEST	HS(M) = 0.0	6 MEAN	TP(SEC) =	4.5 NUMI	BER OF CASE	:S = 2
		GLE(20 YEAR GLE(RELATIV 30.43N/123 30.43N/123 30.43000) 0).9 TOTAL
	4,4- 6,1 6,0 8,6	0 8915 9	6- 10.6- .5 11.7	(SECONDS) 11.8- 13.4 13.3 15.	15.4- 16.1	8.2- 22.3- 22.2 LONGE	TOTAL R
	4.4- 6.1 11.6 1606 11.6 3206 11.21 1428 	8915 90 995 10 422 983 318 25			:		284 4431 7686 1967 124
		• •	: :		:	: :	0
TOTAL MEAN HS(M) = 1.14	2219 10469	1754 H5(M) = 2.3	Ö Ö	Ó Ó TP(SEC) =	Ö	Ö Ö BER OF CASE	U = 9665
HEAR RS(II) - 1.14	LARGESI	n3(n) = 2.3	7 HEAN	17(366) -	7.0 MUNI	DER UF LASE	S = 8445
PHASE HAVE I SHORE SHORE PERCER	3 ST. 93 APPROACH AN ON. START INE ANGLE IT OCCURREN	GLE(20 YEAR GLE(RELATIV 38.43N/123 38.43N/123 CE(X1000) 0	WAVE DIR E TO SHOR 16W L EG AZ) F HEIGHT	ECTION STA ELINE IN DI AT LON EI WATER DEP AND PERIOD	[ISTICAL SEGRES] = 10.01 FGRES] = 10.01 FH = 10.01 BY DIRECT	SUMMARY 45.0 - 74 1/123.08W D METERS TION	9
PHASE WAYE LAT SHORE SHORE PERCEN HEIGHT(METERS)		GLE(RELATIV 38.43N/123 = 146.0 (D CE(X1000) 0	WAVE DIR E TO SHOR 16W L EG AZ.) F HEIGHT PERIOD 6- 10:6-	ECTION STA ELINE IN DI AT LON DE MATER DE AND PERIOD (SECONDS) 11.8- 13.4-	FISTICAL SERVES	SUMMARY 45.0 - 74 145.0 - 74 11.12 - 74 11.12 - 74 11.12 - 74 11.12 - 74 11.12 - 74 11.12 - 74 11.12 - 74 11.12 - 74 11.12 - 74 11.12 - 74 11.12 - 74	
	4.4- 6.1 i 621 10 6230 10 41 10 4		PERIOD 10.6-7 11.0-7 70.77 70.	(SECOND 3 1 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	TISTE 36 1 36 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SUMMARY 45.0 - 74 1.23.084 0 METERS TION 8.2- 22.3- 22.2 LONGE 10 17 17 17 18 40 0	
HEIGHT (METERS)	4.4- 6.1 i 641 10 641 10 41 10 41	- 8 - 1 - 9 0 107 5 1 49 360 360 360 448 651 661	PERIOD 10.6-7 11.0 70.7 70.7 70.7 70.7 70.7 70.7 70.	(SECONDS) 1 11.8-13.4 11.3-3 15.4 19.28 27.2 19.28 27.2 19.28 27.2 19.28 29.20 19.28 29.20 29.29 47.0 29.29 47.0 29.20 13.874	3 18 19 19 19 19 19 19 19 19 19 19 19 19 19	8.2- 22.3- 22.2 LONGE 10 17 6	TOTAL R 158 61023 18311 14560 60497 3857 2058 9148
HEIGHT (METERS) 0.499 0.499 1.500 - 1.949 2.500 - 2.949 2.990	4.4- 6.1 6.0 20 10 626 20 330 10 417 . 13 50 2141 LARGEST	- 8 1- 9 0 107 149 149 149 149 149 149 149 149 149 149	PERIOD 16 7 1 1 0 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	(SECONDS) 1138-1314 1133 154 1	15.4-1 16.1	22- 22:3- 10 : : : : : : : : : : : : : : : : : : :	TOTAL R 158 6102 19263 1831 14651 19669 63857 20584 768 S = 47821
HEIGHT (METERS) 0 0.49 0.50 - 1.49 1.500 - 2.49 2.500 - 3.49 3.500 - 3.49 3.500 - 4.49 4.50 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 6.00 - 4.99	4.4- 6 1 6 20 4 6 1 6 20 4 6 1 6 20 4 6 1 6 20 4 6 1 6 20 4 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6	- 8 1 - 9 0 1 0 7 5 1 4 9 1 0 1 0 7 5 1 4 9 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	PERIOD 16 7 1 1 0 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	(SECONDS) 1138-1314 1133 154 1	15.4-1 16.1	22- 22:3- 10 : : : : : : : : : : : : : : : : : : :	TOTAL R 158 19263 18311 14651 19660 63857 2058 768 85 = 47821
HEIGHT (METERS) 0.499 0.499 1.500 - 1.949 2.500 - 2.949 2.990	4.4- 6.1 6.0 2.0 1 6.21 10 6.21 10 4.37 10 4.77 10 4.77 10 4.77 10 2141 2141 2141 2141 2141 2151 2161 2161 2161 2161 2161 2161 216	- 8 - 1 - 1 - 1 - 1 - 2 - 2 - 2 - 2 - 2 - 2	PERIOD 1037725576 2 7037725576 2 7037725576 2 7037725576 2 7037725576 2 7037725576 2 7037725576 2 703772576 2 7037	(SECONDS) 111.83 2010 2721 113.33 210 2721 1051 174964 22902 2575 24903 2705 13874 TP(SEC) = 1	15.4-1 16.1	8.2- 22.3- 22.2 LONGE 10.17.17.17.17.17.17.17.17.17.17.17.17.17.	TOTAL R 158 6102 19263 18351 193649 38558 914 768 CS = 47821

PHASE MAYE ALAT LESHOREL PERCEN	3 ST 93 PPROÀCH AN ON START= INE ANGLE T OCCURREN	GLE(REIA 38.43N/ = 14600 CE(X1000							Y - 134.9 08W ERS	
HEIGHT(METERS)	464-0 61 5	8;1- 9.5	9.6- 10.5	PERIOD 10.6- 11.7	SECOND	S) 3.4- 1	5.4- 1 18 1	18,2- 2	2.3- LÖNGER	TOTAL
99999999999999999999999999999999999999	4.4- 6.1 5.5 20 16.3 34 8.3 8 155		:	:	:	:	:	:	:	8 3 38
1.50 - 1.99 2.00 - 2.49	20 18 34 83 8 155 . 135 . 31	37 71	35	: ż	:	:	:	:	:	154 239 284
3.49 3.50 - 3.49 3.50 - 3.99	35	37 778 1582 1583 233	528048 558548	1 <u>1</u>	i 11	:	:	:	:	87849460016 35385792 12221
0.49 - 0.49 - 0.49 - 0.49 - 1.22 - 1.22	: : 68 408	- 3 507	38 217	3 1 1 2 1 5 3 4	. j	:	:	:	:	2 1
MEAN HS(M) = 2.86	LARGEST				TP(SEC)	= 8.	4 NU1	BER OF	CASES =	752
PHASE WAYE ALL LATER LOSED SHOREL	ST. 93 PROÁCH AN ON. START= INÉ ANGLE TOCCURREN	20 Y 3E(RELA 38.43N/ = 146.0	EAR WA	VE DIR	CTION LINE I LT LON WATER	STATIS N DEGR END: DEPTH	TICAL (EES)= 38.36 = 10.0	SUMMAR 135.0 N/123.	Y - 164.9 08W ERS	
HEIGHT(METERS)										TOTAL
0 0.49	464- 61 3 81	6 9 1 - 9 . 5	9.6- 10.5	PERIOD 10.6- 11.7	13.3	3.4- 1 15.3	18.1	.8.2- 2: 22.2	LONGER	4
99999999999999999999999999999999999999	3 .	:	:	:	:	:	:	:	:	3 0 0
		•	•	:	:	:	:		•	0
0.9499 9.4999999999999999999999999999999		•	•	•	•	•	•	•	•	4300000000
5.00 + TOTAL	6 i	ò	ò	ò	ò	ò	Ġ	Ö	ò	Ŏ
MEAN HS(M) = 0.32	LARGEST	HS(M) =	0.83	MEAN	TP(SEC)	≈ 5.	4 NU1	BER OF	CASES =	5
PHASE WAYE ALLAT WAYE AL LAT SHOREL	3 ST. 93 PROACH AN DN. START= INE ANGLE T OCCURREN	20 Y GLE(RELA 38.43N/ = 146.0	EAR WA	VE DIR	ECTION ELINE I AT. LON WATER	STATIS N DEGR DEPTH	TICAL (EES) = 38.36 = 10.0	SUMMAR 165.0 N/123.	Y - 180.0 084 ERS	
PERCENT HEIGHT(METERS)						9)				TOTAL
0 0.49	4.4- 6.1 6.0 8.	8;1 <u>-</u>	9.6- 10.5	PERIOD 10.6- 11.7	11.8- 1	15.3	5.4- 1 18.1	8.2- 2 22.2	2.3- LÖNGER	0
0.50 - 0.99 1.00 - 1.49 1.50 - 1.99	: :	:	:	:	:	:	:	:	:	0
2.00 - 2.49 2.50 - 2.99 3.00 - 3.49				:	•	•	•	•	•	0
99999999999999999999999999999999999999		:	:	:	•	•	•	•	•	000000000000000000000000000000000000000
4.50 - 4.99 5.00 + TOTAL	o o	ò	ò	ò	ò	ò	Ö	ò	ò	Ŏ
MEAN HS(M) = 0.	LARGEST	HS(M) =	0.	MEAN	TP(SEC)	= 0.	. NUI	BER OF	CASES =	0





WIS STATION 93 (38.43N/ 123.16W TO 38.36N/ 123.08W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R55556666666677777777 E9599999999999999999	7.4589.4.4667.39.4.3.4.7.4682	ของสายสายการการการการการการการการการการการการการก	のかいいっしゃくないのかくようへつかいののいいいいいいいいいいいいいいいいいいいいいいいいいいいいいいいいいい	8~45~19 887 207~79 65579 7556	77.6664714777607711111004	740404000473-136306760		חיוויים מיים ביים מיים מיים מיים מיים מיים מ	10060144514712541606	4809006-170800080770698	จะเพลงเลาการแบบสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามาร	07-0-89-11-88-9-10-89-10-7-9-1-14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	Metanitalanantanantananta Metanitalanantanantananta
MEAN	2.9	2.9	2.4	2.0	1.5	1.4	1.2	1.1	1.3	1.8	2.5	2.9	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 93 (38.43N/ 123.16W TO 38.36N/ 123.08W)

MONTH

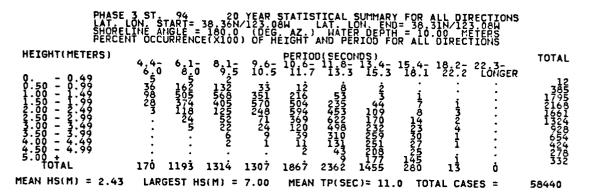
	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 R5555566666666789012345 E999999999999999999999999999999999999	+405557000445775550507-10	86514670608547088466	544554554554455454555	20002-1-1-1-2077-6687-104	คตางเกมสามากระบบกระบบการ	งงงงงางสางงงงาคางงงงงงงงงงง	69469686187576273317	47.77.49.47.84.48.88.88.88.88.88.88.88.88.88.88.88.	599157-62298900158777	กทสาสสาสแลสาสสาสสาสสาสสา	90000077901107777900	46795-15078-148658000000 75444446545546556044

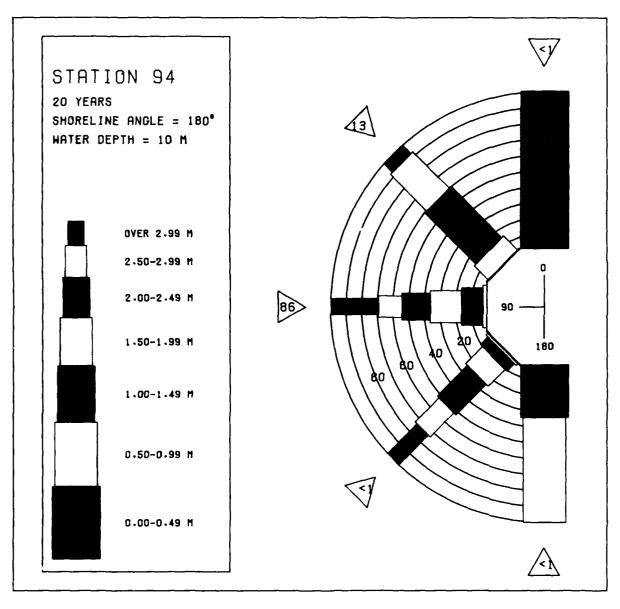
20 YR. STATISTICS FOR PACIFIC STATION 93 (38.43N/ 123.16W TO 38.36N/ 123.08W)

MEAN SIGNIFICANT HAVE HEIGHT (METERS)	2.0
MEAN PEAK WAVE PERIOD (SECONDS)	10.9
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND . (DEGREES) STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TR	80.0
	₹:6
LÀRGEST MAVE HS (MĒTERS) WAVE TP ASSOCIATED WITH LÀRGEST MÀVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	16.8
ÄVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	71.7
DATE OF LARGEST HS OCCURRENCE IS (YR.MO.DA.HR)	64012012

PH. WA: LA: SH: PF:	ASE 3 ST VE APPROAC T. LON. ST ORELINE AN RCENT OCCU	94 H ANGLI ART = 3 GLE = EDENCE	20 Y E(RELA 8.36N/ 180.0	EAR WA	AVE DIR	ECTION ELINE AT. LOI WATER	STATI IN DEG I. END DEPTH	STICAL REES)= = 38.3	SUMMA 0 1N/123 00 ME	RY 	
HEIGHT (METERS	1										TOTAL
0 0.49	464.0	6.10	8,1-	9.6.5 10.5	10.5	15ECON	15.3	15.4 <u>-</u> 18.1	18.2- 22.2	22.3- LONGER	a
0.50 - 0.99 1.00 - 1.49	:	:	:	:	:	:	:	:	:	:	ŏ
2.00 - 2.49	•	•	•	•	•	:	:	:	:	•	o o
99999999999999999999999999999999999999	•	:	:	÷		:	:	:	:	:	00000000000
4.50 - 4.99	•	•	•	:	:	:	:	:	:	:	o o
001494999999999999999999999999999999999	Ö	Ö EST HS	, Ò	Ò	Ò	Ö TD/ CEC		Ċ	ġ wncn a		•
MEAN HS(M) = 0	. LARG	E31 U3	(11) -	υ.	FIEAN	TP(SEC) = 0	. NU	MBER U	F CASES =	: 0
PH WA LA SH	ASE 3 ST VE APPROACI T. LON. ST. ORELINE AN RCENT OCCU	94 H ANGLI ART = 3	20 Y E(RELA 8.36N/	EAR WA	AVE DIR	ECTION ELINE AT LOI WATER AND PE	STATI IN DEG IN END DEPTH	STICAL REES)= = 38.3 = 10.	SUMMA 15.0 10/123	RY - 44.9 - 1ERS	
HEIGHT(METERS											TOTAL
	6 <u>4</u> 0	6.1- 8.0	8,1- 9.5	9.6- 10.5	10.6-	(SECON!	13.4- 15.3	15.4- 18.1	18.2- 22.2	22.3- LONGER	
99999999999999999999999999999999999999	•	:	:	:	:	:	:	:	:	•	200
1.00 - 1.49 1.500 - 2.499 2.500 - 3.49	:	:	:		:		:	:	:	:	Ŏ
3.00 - 3.49 3.50 - 3.99	•	:	:	:	:	:	:	:	:	•	ŏ
01-1-22-1-449 	•	:	:	:	:	:	:	:	:		50000000000
TOTAL	5		Ö	Ö	Ġ	Ö	Ö	Ö	Ġ	Ö	•
MEAN HS(M) = 0	.06 LARG	EST HS	(M) =	0.08	MEAN	TP(SEC) = 4	.5 NU	MBER O	F CASES =	3
PH MA' LA' SHI PEI	ASE 3 ST VE APPROACI T LON ST ORELINE AN RCENT OCCU	94 H ANGLI ART = 39 GLE = ERRENCE	20 Y E(RELA 8.36N/ 180.0 (X1000	EAR W/ 71VE 123.06 (DEG.	AVE DIR TO SHOR WAZ) HEIGHT	ECTION ELINE AT LO: WATER AND PEI	STATI IN DEG N. END DEPTH RIOD B	STICAL REES)= = 38.3 = 10. Y DIRE	SUMMA 45.0 1N/123 00 ME CTION	RY - 74.9 1084 TERS	
PH. MA' SH SH PEI HEIGHT(METERS											TOTAL
HEIGHT(METERS				9.6- 10.5	PER100 10.6-7	(SECON	15.3 15.3			RY 74.9 TERS	
HEIGHT(METERS				9.6- 10.5	PER100 10.6-7	(SECON 11:8- 13:3 17	15.3 15.3				
HEIGHT(METERS 0:50 - 0:49 0:50 - 0:99 1:00 - 1:49 2:50 - 2:49				9.6- 10.5	PER100 10.6-7	(SECON 11:8- 13:3 17					TOTAL 1217 1139111 834636 11433
HEIGHT(METERS 0:50 - 0:49 0:50 - 0:99 1:00 - 1:49 2:50 - 2:49						(SECON	13.4-3 13.5-3 13.91336				120 29311 29311 118910 3466 1239 179
HEIGHT(METERS 0:50 - 0:49 0:50 - 0:99 1:00 - 1:49 2:50 - 2:49		6.81-0 15297 1588074 1486074 1310	8,1-	9.6- 10.5	PER100 10.6-7	(SECON 11:8- 13:3 17	13.4-3 13.4-3 13.39 13.39				
HEIGHT(METERS	4.4- 6.0 352 3573 261 11 	6 1 - J 6 5 1 - J 1529 7 3 5 6 9 4 4 6 9 7 4 5 6 9 7 4 5 6 9 7 4 6 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	8 - 1 - 5 9 29 4 2 2 4 2 5 6 5 1 1 3 5 5 5 1 1 7 7 9 9 1 7	9.6- 10.5 78 987 1428 298 11 	PER 100 10:7 22:458 10:42 22:458 10:42 10:	(SECON 11:8- 13:3 17	15) 4.3 15.5 319133633 2	15.4- 18.1 : : :	18.2- 22.2		127110 243110 3466 124371 124371 1996
HEIGHT (METERS 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	1643 1 .60 LARG ASE 3 ST VE APPROACT ORELINE AND RCENT OCCU	6.81977 15887 15887 158877 158977 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 15887 158877 1589	8 92925555 1 · † = YAN 0 0 1 · 20 0 · 20 0 ·	9.6-5 78 9.828 9.828 2.988 11 36.98 5.05	PERIOD 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SEC8-3-5770-57915-64 EC ON ON LIVE TO THE LEFT AND LEFT A	13.5.5.19.133.633.2 8 HEGOTH 8 PROPERTY STANDARD	15.4- 18.1 	18.2- 22.2	22.3- LONGER : : : : : : : : : : : : :	120 120 1131101 1231101 1246391 1246391 1779 6
HEIGHT (METERS 0 - 0 - 499 0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	3573 261 11 1643 1 .60 LARG	6.81977 15887 15887 158877 158977 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 15887 158877 1589	8 92925555 1 · † = YAN 0 0 1 · 20 0 · 20 0 ·	9.6-5 7.87 787 14282 81 82 81 11 36 98 5.05	PERIOD 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SECON-3 15770-7791564 EC ON OFFICE OF THE CELL AND SECON-3 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	13.5.5.19.133.633.2.8 TERNHB 1.5.5.19.133.633.2.8 TERNHB 1.5.5.19.133.2.8 TERNHB 1.5.5.19.133.2 TE	15.4- 18.1 0 	18.2- 22.2 0 0 MBER 0 SUMMAQ IN/123 00 IN/123	22.3- LONGER : : : : : : : : : : : : : : : : : : :	1207 12317 169101 34666 1777 96 1787 1787 1787 1787 1880 1680 1680 1680 1680
HEIGHT(METERS	4.4-0 4.20 3573 261 11 1643 1 .60 LARG VE APPROACT OCENT OCCU	6.81977 15887 15887 158877 158977 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 15887 158877 1589	8 92925555 1 · † = YAN 0 0 1 · 20 0 · 20 0 ·	9 6-5 787 142182 9 61 142182 9 6 8 5 . 0 5 EARL OF 6 12 10 0 6 12	PERIOD 11. 22.288935 14.288935 14.288935 14.288935 14.288935 17.10 MEAN 17.10 MEAN 18.10 1	SECON: 3 15770 1564	13.5.5.19.133.633.2.8 TERNHB 1.5.5.19.133.633.2.8 TERNHB 1.5.5.19.133.2.8 TERNHB 1.5.5.19.133.2 TE	15.4-1 16.1 	18.2- 22.2 0 0 MBER 0 SUMMAQ IN/123 00 IN/123	22.3- LONGER : : : : : : : : : : : : :	1207 12317 169101 34666 1777 96 1787 1787 1787 1787 1880 1680 1680 1680 1680
HEIGHT (METERS - 0.499 - 0.9499 - 0.9499 - 0.9499 -	4.4-0 4.20 3573 261 11 1643 1 .60 LARG VE APPROACT OCENT OCCU	6.81977 15887 15887 158877 158977 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 15887 158877 1589	8 92925555 1 · † = YAN 0 0 1 · 20 0 · 20 0 ·	9 6-5 787 142182 9 61 142182 9 6 8 5 . 0 5 EARL OF 6 12 10 0 6 12	PERIOD 11. 22.288935 14.288935 14.288935 14.288935 14.288935 17.10 MEAN 17.10 MEAN 18.10 1	SECON: 3 15770 1564	13.5.5.19.133.633.2.8 TERNHB 1.5.5.19.133.633.2.8 TERNHB 1.5.5.19.133.2.8 TERNHB 1.5.5.19.133.2 TE	15.4-1 16.1 	18.2-2 2.2 0 0 MBER 0 SUMMA030 100 TION 18.2-2 1 1 2 2 2 2 1	22.3- LONGER : : : : : : : : : : : : : : : : : : :	1207 12317 169101 34666 1777 96 1787 1787 1787 1787 1880 1680 1680 1680 1680
HEIGHT (METERS - 0.499 - 0.9499 - 0.9499 - 0.9499 -	1643 1 1643 1 1643 1 1643 1 1643 1 1643 1 1643 1 1643 1	6.81977 15887 15887 158877 158977 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 158877 15887 158877 1589	8 92925555 1 · † = YAN 0 0 1 · 20 0 · 20 0 ·	9 6-5 787 142182 9 61 142182 9 6 8 5 . 0 5 EARL OF 6 12 10 0 6 12	PERIOD 11. 22.288935 14.288935 14.288935 14.288935 14.288935 17.10 MEAN 17.10 MEAN 18.10 1	SECON: 3 15770 1564	13.5.5.19.133.633.2.8 TERNHB 1.5.5.19.133.633.2.8 TERNHB 1.5.5.19.133.2.8 TERNHB 1.5.5.19.133.2 TE	15.4-1 16.1 	18.2-2 2.2 0 0 MBER 0 SUMMA030 100 TION 18.2-2 1 1 2 2 2 2 1	22.3- LONGER : : : : : : : : : : : : : : : : : : :	1207 12317 169101 34666 1777 96 1787 1787 1787 1787 1880 1680 1680 1680 1680
HEIGHT (METERS - 0.499 - 0.9499 - 0.9499 - 0.9499 -	1643 1 1643 1	6.8528774550 3 HS L3 ES HAGER 6.8.4778541	1.5842445651 · 7 = YA\ 0 1.584245655 1 · 7 = 0.1500 1.572506696	9 6-5 787 142182 9 61 142182 9 6 8 5 . 0 5 EARL OF 6 12 10 0 6 12	PERIOD 11. 22.288935 14.288935 14.288935 14.288935 14.288935 17.10 MEAN 17.10 MEAN 18.10 1	SECON: 3 15770 1564	13.5.5.19.133.633.2.8 TERNHB 1.5.5.19.133.633.2.8 TERNHB 1.5.5.19.133.2.8 TERNHB 1.5.5.19.133.2 TE	15.4-1 16.1 	18.2-2 2.2 0 0 MBER 0 SUMMA030 100 TION 18.2-2 1 1 2 2 2 2 1	22.3- LONGER : : : : : : : : : : : : : : : : : : :	1207 12317 169101 34666 1777 96 1787 1787 1787 1787 1880 1680 1680 1680 1680
HEIGHT (METERS 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	1643 1 1643 1	6.852877450 3 HS GS = C - 0 158807450 3 HS GS = C - 0 158807450 3 HS GS = C - 0 158807450	8 8230555 1 · 7 = YAY 0 · 5 · 5 · 5 · 5 · 5 · 5 · 5 · 5 · 5 ·	9 6-5 787 142182 9 61 142182 9 6 8 5 . 0 5 EARL OF 6 12 10 0 6 12	PERIOD 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SECON: 3 15770 1564	135.3 135.3	15.4- 18.1 0 	18.2- 22.2 0 0 MBER 0 SUMMA 17.52 100 1 ME 18.2- 12.2.2	22.3- LONGER : : : : : : : : : : : : : : : : : : :	120 120 1131101 1231101 1246391 1246391 1779 6

PHASE HAYE A LAY SHOREL PERCEN	ST. 94 PPROACH AN ON. START= INE ANGLE T OCCURREN	20 YE GLE(RELA) 38.36N/1 = 180.0 CE(X1000)					TICAL EES)= 38.311 = 10.0 DIREC	SUMMAR) 105.0 - 1/123.0 0 METE TION	134.9 184 185	
HEIGHT(METERS)	4.4- 6.1 6.0 8.	- 8,1- 0 9.5	9.6- 1 10.5	PERIOD 0.6- 11.7	(SECOND:	\$) 3.4- 1 15.3	5.4- 1 18.1	3.2- 22 22.2 1	3- ONGER	TOTAL
0.50 - 0.49 0.50 - 0.49 1.500 - 1.29 2.500 - 2.49 2.500 - 3.49 2.500 - 4.99 4.500 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 6.00 - 4.90 6.00 - 4.90	3 10 18 8 92 29 		155501	1887 7899 273	6588805557	· · · · · · · · · · · · · · · · · · ·				03347842016 42526841 1221
MEAN HS(M) = 2.69	29 189 LARGEST	273 HS(M) = 5	212 3.76	183 MEAN	57 TP(SEC)	= 9.	O 4 NUMI	O BER OF	CASES =	571
	3 ST. 94 PPROACH AN OH. START= INE ANGLE T OCCURREN	GLE (RELAT 38:36N/1 180:0 CE(XI000)					TICAL EES)= 38.31 = 10.01 DIREC	SUMMAR) 135.0 - 17123.0 METE TION	7 164.9 284 ERS	
HEIGHT(METERS)	4,4- 6,1	0 8,1- 0 9.5	9.6- 1 10.5	PERIOD 11.7	(SECOND:	5) 3.4- 1 15.3	5.4- 1 18.1	8.2- 22 22.2 1	3- ONGER	TOTAL
0.49 0.50 - 0.49 1.50 - 1.29 2.50 - 2.49 2.50 - 3.49 3.50 - 3.49 4.50 - 4.99 5.00 - 4.99 5.00 - 4.99 TOTAL MEAN HS(M) = 1.33	4.4- 6.1 6.0 8.3 5.11 5.15 	331		Ŏ						41454000000
MEAN HS(M) = 1.33	LARGEST	HS(M) = 8	2.18	MEAN	TP(SEC)	= 6.	8 NUM	BER OF	CASES =	36
PHASE ALATE LATE LATE LE SHORE LE PERCEN	3 ST 94 PPROÀCH AN ON START= INE ANGLE T OCCURREN	GLE(RELA) 38,36N/) = 180.0 CE(X1000					TICAL EES)= 38.31 = 10.0 DIREC	SUMMAR) 165.0 N/123.0 METE TION	(- 180. 0 - 180.0 - 180.0	
HEIGHT(METERS)	464- 61	- 8,1- 0 9.5	9.6.5 I	PERIOD	(SECOND:	§) 3.4- 1 15.3	5.4- 1 18.1	8.2- 28 22.2	3- ONGER	TOTAL
- 0.49 - 0.499 - 0.499 - 1.2499 - 1.500 - 1.499 - 1.500 - 1.499 - 1.500 - 4.99 - 1.500 - 4.09 - 1.500 - 4.00 - 1.500	i				0 TP(SEC)		· · · · · · · · · · · · · · · · · · ·			100000000000000000000000000000000000000
HEAN HOUR) - 0.02	LARGEST	nətri) - t	,. 42	MEAN	IP(SEC)	- 4.	e NUM	DER UP	CASES -	7.





WIS STATION 94 (38.36N/ 123.08W TO 38.31N/ 123.08W) MONTH

						DUNI	П						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC	
R67890123456789012345 A55556666666666777777 E9999999999999999999	noutrint and mind company of the control of the con	ณา/7794-12022062-1582-142	4797099 แก่804 ณฑานาวากอ	200672200847742204970	200007677205699991279	211111111111111111111111111111111111111	478557442444444444	62635051736243465843	M959MM77648A45684948	819791080001877119147	489856700857470071377	งกระราชายายายายายายายายายายายายายายายายายายา	Zombommo od 4 4 477 4186 o 1 Ennonnounninnounnunninnunn E
MEAN	3.4	3.4	3.0	2.5	1.9	1.7	1.6	1.4	1.6	2.2	3.0	3.4	
			ι	.ARGES	T HS(METER	S) BY	монт	H AND	YEAR	!		

MIS STATION 94 (38.36N/ 123.08W TO 38.31N/ 123.08W)

HTHOM

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 R5555566666666777777 E99999999999999999999	5556666467455446666654	501814981W7094W67159	45647546546456654665	886098068864H-05H-17H	8698072092เมื่อ7000มี-186	ารเรียก การเการ์ การเการ์ การเการ์ การเการ์ การเการ์ การเการ์ การเการ์ การเการ์ การเการ์ การเการ์ การเการ์ การ	0404700700710710074 พงคระสายการสายการสายการสายการสายการสายการสายการสายการสายการสายการสายการสายการสายการสายการสา	9995046995000100100000000000000000000000000000	ศักมา การเกลา เกลา เกลา เกลา เกลา เกลา เกลา เกลา	M451015446001016444000648	466664646464666666666666666666666666666	1680621017-1398501202 4686686666666666

20 YR. STATISTICS FOR PACIFIC STATION 94 (38.36N/ 123.08W TO 38.31N/ 123.08W)

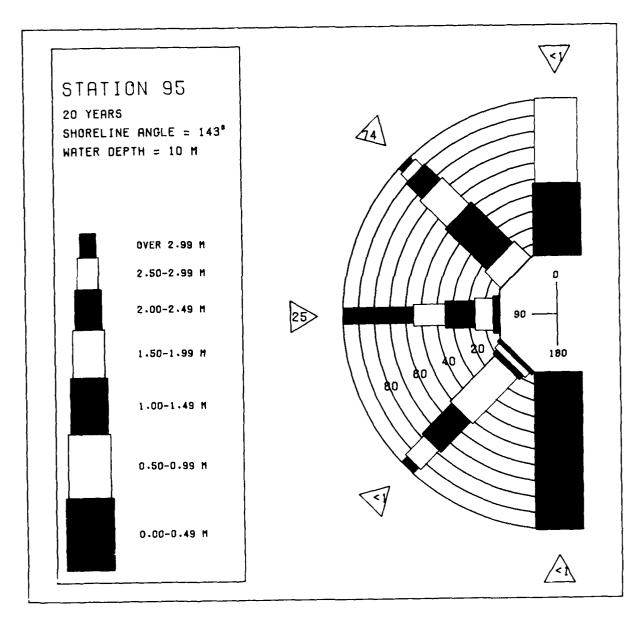
MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES) STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP	2.40 110.150 127
LARGEST MAYE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS AVERAGE OF LARGEST HS OCCURRENCE IS (YR.MO.DA.HR)	16.7 61.0 64012000

PHASE WAVE LAT SHORE PERCE	3 ST 95 APPROACH AND LON. STARTE LINE ANGLE : NT OCCURRENC	SLE(20 YEAR 38,31N/123 38,31N/123 143000) OF	HAVE DIRECTO SHOREL DAW LAT HEIGHT AN	TION STATI INE IN DEG LON. END ATER DEPTH D PERIOD E	STICAL SUMM REES)= 0. P= 38.20N/12 1 = 10.00 M	IARY 14.9 2.96W ETERS	
HEIGHT(METERS)					15.4- 18.2- 18.1 22.2		TOTAL
99999999999999999999999999999999999999	4.4- 6.1 6:0 8.0	9.5 10.9	•	3.3 15.3	18.1 22.2	LONGER	130000000000000000000000000000000000000
ŤOŤAL MEAN HS(M) = 0.12	13 Ó	Ó Ó IS(M) = 0.24	Ö Mean td	Ó Ó (SEC) = 4	Ó Ö	Ó OF CASES =	-
71EAN 113(17) - 0.12	LARGEST :	15(11) - 0.24	HEAR IF	(366) - 4	NOTICER	OF CASES -	. 0
		SLE(RELATIVE 38,31N/123. 143.0 (DÉ 143.0 (DÉ					
HEIGHT(METERS)	4.4. 6.1. 6.0 8.0	8.1- 9.6	- 10.6- 11 5 11.7 1	8- 13.4- 3.3 15.3	15.4- 18.2- 18.1 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	4.4. 6.1 6.0 8.1 13.6 10.4 3.2392 13.6 3.2392 11.4 14.01	8,1- 9.6 9,5 10.1 353 605 299	•	• • •		:	210 46460 84414 800 00
4.00 - 4.49 4.50 - 4.99 5.00 +							Ŏ
TOTAL MEAN HS(M) = 1.14	2591 11048 LARGEST H	1551 0 (S(M) = 2.40	Ö MEAN TP	0 0 (SEC) = 6	0 0 9 NUMBER	Ó OF CASES =	8882
PHASE WAVE LAT SHORE PERCE	3 ST. 95 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC	20 YEAR 34.31N/123. 34.31N/123. 143.0 (DÉ	AAVE DIREC TO SHOREL 28W LAT SHAZ) W HEIGHT AN	TION STATI INE IN DEG LON. END ATER DEPTH D PERIOD E	(STICAL SUMM REES)= 45 P= 38.20N/15 P= 10.00 H	ARY 0 - 74.9 ETÉRS	
PHASE WAYE LAT SHORE PERCE HEIGHT(METERS)			AAVE DIRECTO SHORED LATER AZ 1 WEIGHT AND PERIOD(S	TION STATI INE IN DEC LON ENG ATER DEPTH D PERIOD E ECONDS)			TOTAL
	4.4-0 6.5938.660 6.0008.6608.660 10.0008.6600 2.0008.6600 1.0008.6600 1.0008.6600		PER IOD (\$11.7 2055) 7.51 2057 7.51	EC8-3 3723819 2124951849 2124951849 2124951849 2124951849 2124951849 2124951849	STICAL SUMP REES 20 N/12 20 N/		TOTAL 65237246853228
HEIGHT (METERS) - 499 - 499 - 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	4.4- 6.1- 6.0 259 10 5283 27 5388 8 4266 10 45 2127	8 9 1 - 9 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	PER IOD (\$ 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ECOND 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	15.4- 18.2- 18,1 22.2	22.3- LÖNGER : : : : : : :	6924972685288 69249953776 1111
HEIGHT (METERS) 0.499 1.0499 1.0499 1.0499 1.0499 1.0499 1.0499 1.0500	4.4- 6.1- 6.0 2553 10 55886 27 3886 8 466 . 10 	8 1- 9 6 1129 1614 1239 1614 1239 3124 1239 3124 1439 556 179 143 11 6 11 6 10283 11991	PER IOD (\$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ECON 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4-1 18.2-2 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	22.3- LONGER	168237726855228 1571976657720 198497577720 19849757720 198497720 198
HEIGHT (METERS) 0.49 0.50 - 0.49 0.50 - 1.249 1.749 1.749 1.750 - 1.49 1.50 - 4.99 1.50 -	4.4- 6.1- 6.0 5293 10 53886 27 30866 . 10 308666 . 10 30866 . 10 30866 . 10 30866 . 10 30866 . 10 30866 . 10 3	1	PER IOD (\$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ECON 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4-18.2-2 18.1-18.2-1 18.1-18.2-2 18.1-18.2-2 18.1-19.6-2 18.1-19.6-2 18.1-19.6-2 18.1-19.6-2 18.1-19.6-2 18.1-19.6-2 18.1-19.6-2 18.1-19.6-2 18.1-19.6-2 18.1-19.6-2 19.1-1	22.3- LONGER	6924972685288 69249953776 1111
HEIGHT (METERS) 0.499 1.0499 1.0499 1.0499 1.0499 1.0499 1.0499 1.0500	4.4- 6.1- 6.0 2553 10 55886 27 3886 8 466 . 10 	8 1 9 6 1 9 5 10 32 39 14 11 4977 6504 12 8 35 56 17 9 14 3 18 10 10 10 10 10 28 3 11 99 1 10 28 3 10 10 10 10 10 10 10 10 10 10 10 10 10	PER 10D (\$1 1 1 205 45 1 1 1 205 45 1 1 1 205 45 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ECONDS 3 5 6 7 4 3 3 6 1 4 3 3 6 1 4 3 3 6 1 4 3 5 6 7 4 9 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	15.4-1 18.2-2 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	22.3- LONGER	168237726855228 1571976657720 198497577720 19849757720 198497720 198

HEIGHT(METERS) 4.4- 6.1- 8.1- 9.6- 10.6- 11.8- 13.4- 15.4- 18.2- 22.3- 10.6- 10.6- 11.7 13.3 15.3 16.1 22.2 LONGER 0.50 - 0.49 1 2 3	4
4.4- 6.1- 8.1- 9.6- 10.6- 11.8- 13.4- 15.4- 18.2- 22.3- 6.0 6.0 9.5 10.5 11.7 13.3 15.3 16.1 22.2 LONGER	4
0.50 - 0.49	3596593
TOTAL 58 272 318 160 36 4 0 0 0	
MEAN HS(M) = 2.64 LARGEST HS(M) = 4.86 MEAN TP(SEC) = 8.3 NUMBER OF CASES = 5	04
PHASE 3 ST. 95 20 YEAR MAVE DIRECTION STATISTICAL SUMMARY WAVE APPROACH ANGLE (RELATIVE TO SHORELINE IN DEGREES)= 135.0 - 164.9 LAT. LON. START= 38.31N/123.08W LAT. LON. END= 38.20N/122.96W SHORELINE ANGLE = 143.0 (DEGREES)= 10.00 METERS PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION	
HEIGHT(METERS) 4.4- 6.1- 8.1- 9.6- 10.6- 11.8- 13.4- 15.4- 18.2- 22.3- 10.6- 11.7- 13.3- 15.3- 16.1- 22.2 LONGER 9.5 0.49	AL
0.50 - 0.49 1.00 - 1.49	10000000000
1.50 - 1.99 22.050 - 2.499 3.500 - 3.499 4.500 - 4.49 4.500 + 4.99	000
4:50 - 4:99 : : : : : : : : : : : : : : : : :	ŏ
MEAN HS(M) = 0.02 LARGEST HS(M) = 0.02 MEAN TP(SEC) = 4.5 NUMBER OF CASES =	1
PHASE 3 ST. 95 20 YEAR WAVE DIRECTION STATISTICAL SUMMARY WAVE APPROACH ANGLE (RELATIVE TO SHORELINE IN DEGREES) = 165.0 - 180.0 LAT. LON. START = 38.31N/123.08W LAT. LON. END = 38.20N/122.96W SHORELINE ANGLE = 18.30 (DEG. AZ.) WATER OF HE = 10.00 METERS PERCENT OCCURRENCE (X1000) OF HEIGHT AND PERIOD BY DIRECTION	
HEIGHT(METERS) 4.4- 6.1- 8.1- 9.6- 10.6- 11.7 13.3 15.4- 18.2- 22.3- 10.5 11.7 13.3 15.3 16.1 22.2 LONGER	AL
0.50 - 0.49 0.50 - 0.49 1.50 - 1.49 1.50 - 1.99	0
3.00 - 2.48	00000000000
3.00 - 3.49 3.50 - 3.49	Ŏ
\$ - 50 - 5 - 72	ŏ

MEAN HS(M) = 0. LARGEST HS(M) = 0. MEAN TP(SEC) = 0. NUMBER OF CASES = 0

PHASE LAT. L SHOREL PERCEN	INE ANGLE =	20 YEAR 38,31N/123. 143.0 (DE E(X100) OF		TAT TO	SUMMARY N. END P. DEPTH P. IOD FO	= 38.201	1/122 ME	TERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6 9.5 10.		(SECON 11.85	(05) 13.4- 15.3	15 4- 18 18.1 2	2.2	22.3- LOHGER	TOTAL
0 0.49 0.50 - 0.99 1.50 - 1.49 2.00 - 2.49	105 387 143 683 22 197	357 161 530 651 160 316	75 528 717 319	204 556 750	28 120 227	i 5 10 19	i	:	1112 2833 2100 1523
2.50 - 2.99 3.50 - 3.49 3.50 - 4.49 4.00 - 4.49	. 22 . 6 	37 24 34 18 15 10	299	458 208 67 19	323 313 246 112	34 36 47 47	ž :		-992 644 387 190
4.50 - 4.99 5.00 + TOTAL MEAN HS(M) = 1.94	 279 1391 LARGEST H	1 1 1275 1246 S(M) = 6.71	1774 MEAN	2291 TP(SE	1420	275 275	7 . Casi	0	63 58440



WIS STATION 95 (38.31N/ 123.08W TO 38.20N/ 122.96W)

MEAN 2.8 2.8 2.4 2.0 1.5 1.4 1.2 1.1 1.2 1.7 2.4 2.8

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 95 (38.31N/ 123.08W TO 38.20N/ 122.96W)

MONTH

	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOA	DEC
R67890123456789012345 8555566666666677777777 E999999999999999999	9892M640744898H28464	84-197156915-6715-67-69-53	344334343544445454545454545454545454545	MM500000000000000000000000000000000000	89mm4087.946ma4m47594	800006M7-1715880-244004448	68798686077569867774	אַרַטְעַרְעָרָעָרָעָרָעָרָעָרָעָרָעָרָעָרָעָרָעָ	489-457-501-87-899-9-47-601	AMANAMANAMAMANAMAA	38884796173951055188	7574949789178459000

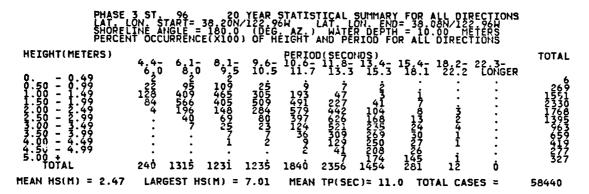
20 YR. STATISTICS FOR PACIFIC STATION 95 (38.31N/ 123.08W TO 38.20N/ 122.96W)

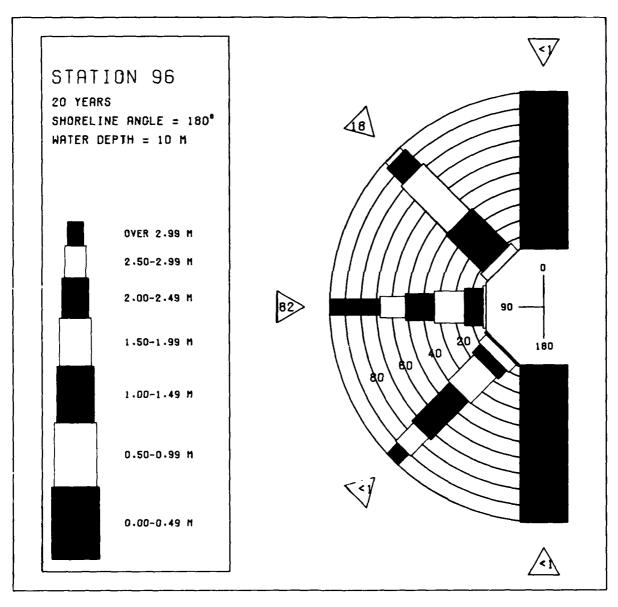
MEAN SIGNIFICANT WAYE HEIGHT (METERS)	.1.9
MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (SECONDS)	10.9
STANDARD DEVIATION OF WAVE HS (METERS)	ŏ;š
	2.6 6.7
TARDARU DEVIATION OF WAVE TP (SECONDS) LARGEST WAVE HS (METERS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	16:7
AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	71.1
WAVE TP ASSOCIATED WITH LARGEST WAVE AS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE AS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	640120iZ

PHASE WAVE LAT: SHORE	APPROACH LON. STA LINE ANG NT OCCUR	96 ANGLE RT = 30	20 Y E (RE L A 3 . 20:1/ 180 . 0	EAR W	AVE DIF TO SHOR 6W (RECTION ELINE AT LO WATER	STAT IN DE N. EN	ISTICAL GREES): 0= 38.0	SUMM/ 8N/12	ARY 2 96W ETERS	
HEIGHT(METERS)											TOTAL
0 - 0.69	4,4-	6.1- 8.0	8.1- 9.5	9.6- 10.5	10.6- 11.7	15ECON 113.3	13.4- 15.3	15.4~ 18.1	18.2-	22.3- LONGER	_
99999999999999999999999999999999999999	:	:	:	:	:	:	:	:	:	:	0000000000
1:50 - 1:99	:	:	:	:	•	:	:	:	:	•	Š
99999999999999999999999999999999999999	•	•	•	•	•	•	•	:	•	:	ŏ
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99 5.00 +	:		:	:	:	:	:		:	•	ŏ
TOTAL	Ġ	Ò	Ċ	ò	Ô	Ġ	ò	Ó	Ó	Ġ	0
MEAN HS(M) = 0.	LARGE	ST HS	(M) =	0.	MEAN	TP(SEC) = (D. NL	MBER (OF CASES =	. 0
PHASE WAVE	APPROACH LON. STAI LINE ANG NT OCCUR	96 ANGLE	20 Y	EAR W	AVE DIR	ECTION	STAT	ISTICAL GREES)=	SUMM/	ARY - 44.9	
LAT. SHORE	LON. STA	RT= 38	3.20N/ 180.0	122.90 (DEG	AZ.)	ÄT. LO WATER	N EN)= 38.0 = 10.	8N7122	96W TERS	
HEIGHT(METERS)								er Dire	CTION		TOTAL
	4.4- 17 20	6;1-0 11	8,1-	9.6- 10.5	10.6-	15ECON 11.3.3	13.4- 15.3	15.4- 18.1	18.2-	22.3- LÖNGER	
0 0.49 0.50 - 0.99 1.00 - 1.49 1.50 - 1.99	17 20	11	:	:		•	:	•	:	:	0H00000000
0111223344 5011223344 6111223344 6111223344 6111223344 6111223344 6111223344 6111223344 6111223344 6111223344 6111223344 611122334 61112234 6112234 6111234 61	•	•	•	•	•	•	:	•	:	•	ŏ
2.50 - 2.99 3.00 - 3.49	:		:	:			:			:	ŏ
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99	:	:	:	:	:	:	:	:	:	•	o O
0.50 - 0.499 1.500 - 2.499 2.500 - 3.499 2.500 - 3.499 4.500 - 4.99 4.500 - 4 5.00 - 4 5.00 - 4 6.00 + 6 70 TOTAL MEAN HS(M) = 0.52	37	14	ò	Ö	å	Ġ	ò	Ò	Ġ	ò	ŏ
MEAN HS(M) = 0.52	LARGE	ST HS	(H) =	0.98	MEAN	TP(SEC) = !	5.5 NL	MBER (F CASES =	31
	APPROACH LON. STAI LINE ANG LINE ACCUR			EAR WATER				ISTICAL GREES)= 0= 38.0 1 = 10 3 DIRE	SUMM/ 45 (8N/122 00 ME CTION	ARY 74.9 1964 TERS	
PHASE WAYE LATE SHORE SHORE PERCE HEIGHT(METERS)											TOTAL
HEIGHT(METERS)			8,1-	9.6- 10.5	PERIOD 10.6-7	(SECON 11.8- 13.3	05) 13.4- 15.3			ARY 96474.9 TERS 22.35 LONGER	TOTAL
HEIGHT(METERS)			8,1-	9.6- 10.5	PERIOD 10.6-7	(SECON 11.8- 13.3	05) 13.4- 15.3				1957
HEIGHT(METERS)			8,1-	9.6- 10.5	PERIOD 10.6-7	(SECON 11.8- 13.3	05) 13.4- 15.3 13 39				1957
HEIGHT(METERS)			8,1-			(SECON 11.8- 13.3	05) 13.4- 15.3 13 39				1957
HEIGHT(METERS)	2076 1276 132 132 132	6 80583 4 6 80583 4 6	8 7532512 8 7532512 8 7532512 8 7532512	9.6- 10.5	PERIOD 10.6-7	SECON 113.6777999966	057.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.				TOTAL 9578 1913648204 1913644304 1913644304 1913644304 1913643 191364 19136 191364 19136 191364 1913
HEIGHT (METERS)	46.4-0 1276 4 1276 6 .1 -0 8 189911 8056422 · · · · 5	8 .1 -5 .7 -	9.6- 10.5 82 11316 1326 8788 1093 6. 3939	PER 10: 7 11: 39714 347230779 2023	SECON 113.3 277 1195 429 481	05) 4.3 1.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5	15.4- 18.1 : : : : :	18.2- 22.2 : : : :	22.3- LONGER : : : : : : : : : :	19336 19336 19336 19548 18634	
HEIGHT (METERS) 0 - 0 - 499 1 - 0 - 499 1 - 0 - 499 1 - 0 - 499 1 - 0 - 1 - 499 2 - 0 - 1 - 499 3 - 0 - 1 - 499 4 - 0 0 - 1 - 449 5 - 0 - 1 - 449 MEAN HS(M) = 1.70 PHASE WAYE SHORE FERCE	4.4-0 200 1276 4 812 5 32 1 2330 120 LARGE	6 8 1 - 0 8 1 - 0 8 1 1 0 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 9 2 8 5 1 5 7 5 5 4 2 5 7 6 6 7 =	9.6-5 10.5 182 1326 1326 123 6 123 6 3939 5.05	PERIODO TO TO THE PERIODO TO THE PER	SECON 1113 249779599661 SEC TIN EELT NATE ON AND AND AND AND AND AND AND AND AND AN	0536 1 1 3 4 5 5 5 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4- 18.1	18.2- 22.2		19336 19336 19336 19548 18634
HEIGHT (METERS) 0. 499 1.050 - 1.249 2.0500 - 2.349 2.500 - 3.499 2.500 - 44.99 2.500 - 44.99 5.07 TOTAL MEAN HS(M) = 1.70	200 1276 4 8 32 1 2330 12 LARGE: 3 PPROACH LINE ANG NT OCCURR	1 :5991182 · · · · 5 HS G = C HS C S T S T S T S T S T S T S T S T S T	8 75327672 7 = YAZ	910.5 10.5 11.8 11.8 11.8 11.8 11.8 11.8 11.8 11	PERIODO TO TO THE PERIODO TO THE PER	SECON 1113 249779599661 SEC TIN EELT NATE ON AND AND AND AND AND AND AND AND AND AN	0536 1 1 3 4 5 5 5 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4- 18.1 	18.2- 22.2 	22.3- LONGER	19336 19336 19336 19548 18634
HEIGHT (METERS) 0 - 0 - 499 0 - 0 - 499 1 - 500 - 1 - 249 2 - 500 - 3 - 499 2 - 500 - 3 - 499 4 - 500 - 4 - 499 5 - 70 - 74 MEAN HS(M) = 1.70 PHASE WAYE SHORE HEIGHT (METERS)	200 1276 4 832 1 2330 12 LARGE: 3 PPR OACH LINE ANG NT OCCURR	1 :50911182 5 H G G E E E E E E E E E E E E E E E E E	8 75325572 6 7 2000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	910 - 5 10 - 5 11 - 8 11 -	PERIOD 1 3971446779 2023 MEAN VE SH JON VE SH JON	1111 249 661 EC ON DIRECTION OF THE PROPERTY O	1 3 1 3 1 1 8 2 TENTE - 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4- 18.1 	18.2- 22.2 0 0 MBER C 5.5 00 1 ME 0 C T I ON 18.2- 2.2	22.3- LONGER : : : : : : : : : : : : : : : : : : :	19578 105346 105346 1054482 1062172 1062172 10621
HEIGHT (METERS) 0 - 0 - 499 0 - 0 - 499 1 - 500 - 1 - 249 2 - 500 - 3 - 499 2 - 500 - 3 - 499 4 - 500 - 4 - 499 5 - 70 - 74 MEAN HS(M) = 1.70 PHASE WAYE SHORE HEIGHT (METERS)	4.4-0 2076 451 18132 1 2330 124 2330 125 LARGE: APPR STAIGH LOIN DCCURI	1 :50911182 5 H G G E E E E E E E E E E E E E E E E E	8 75325572 6 7 2000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	910 - 5 10 - 5 11 - 8 11 -	PERIOD 1 3971446779 2023 MEAN VE SH JON VE SH JON	1111 249 661 EC ON DIRECTION OF THE PROPERTY O	1 3 1 3 1 1 8 2 TENTE - 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4- 18.1 	18.2- 22.2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.3- LÓNGER : : : : : : : : : : : : : : : : : : :	19578 105346 105346 1054482 1062172 1062172 10621
HEIGHT (METERS) 0 - 0 - 499 0 - 0 - 499 1 - 500 - 1 - 249 2 - 500 - 3 - 499 2 - 500 - 3 - 499 4 - 500 - 4 - 499 5 - 70 - 74 MEAN HS(M) = 1.70 PHASE WAYE SHORE HEIGHT (METERS)	4.4-0 2076 451 2076 51 2076 51	1 :50911182 5 H G G E E E E E E E E E E E E E E E E E	8 75325572 6 7 2000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	910 - 5 10 - 5 11 - 8 11 -	PERIOD 1 3971446779 2023 MEAN VE SH JON VE SH JON	1111 249 661 EC ON DIRECTION OF THE PROPERTY O	1 3 1 3 1 1 8 2 TENTE - 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4- 18.1 	18.2- 22.2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.3- LÓNGER : : : : : : : : : : : : : : : : : : :	19578 105346 105346 1054482 1062172 1062172 10621
HEIGHT (METERS) 0 - 0 - 499 0 - 0 - 499 1 - 500 - 1 - 249 2 - 500 - 3 - 499 2 - 500 - 3 - 499 4 - 500 - 4 - 499 5 - 70 - 74 MEAN HS(M) = 1.70 PHASE WAYE SHORE HEIGHT (METERS)	4.4-0 2076 451 18132 2330 12 LARGE: 3PROSTAL 2110 4-0 110	1 :50911182 5 H G G E E E E E E E E E E E E E E E E E	8 75325572 6 7 2000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	910 - 5 10 - 5 11 - 8 11 -	PERIOD 1 3971446779 2023 MEAN VE SH JON VE SH JON	1111 249 661 EC ON DIRECTION OF THE PROPERTY O	1 3 1 3 1 1 8 2 TENTE - 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4- 18.1 	18.2- 22.2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.3- LÓNGER : : : : : : : : : : : : : : : : : : :	19578 105346 105346 1054482 1062172 1062172 10621
HEIGHT (METERS) 0.494949999999999999999999999999999999	4.4-0 2076 451 18132 12 2330 12 2330 12 2330 12 100 STACH 100 STACH 100 STACH 110 110 110 110 110 110 110 110 110 110	1 :5091182 · · · · 5 H G = C 1 · · · · · · · · · · · · · · · · · ·	8 75325572 6 7 2000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	910 - 5 10 - 5 11 - 8 11 -	PERIOD 1 3971446779 2023 MEAN VE SH JON VE SH JON	1111 249 661 EC ON DIRECTION OF THE PROPERTY O	1 3 1 3 1 1 8 2 TENTE - 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4- 18.1 	18.2-2.2.2.3.3.4.1.5.3	22.3- LÓNGER : : : : : : : : : : : : : : : : : : :	19578 105346 105346 1054482 1062172 1062172 10621
HEIGHT (METERS) 0. 0. 499 1.00 - 1.499 2.00 - 1.499 2.00 - 2.499 2.500 - 3.499 4.500 - 4.99 5.00 - 4.99 5.00 - 4.99 FOR ALL MEAN HS(M) = 1.70 PHASE WAYE SHORE HEIGHT (METERS)	4.4-0 2076 45-1 18132 1: 2330 12: LARGE: APPROACH LINE ANG NT OCCUR!	1 :5091182 · · · · 5 H G3 E C C C C C C C C C C C C C C C C C C	8 7552551 6 M 2R201 0 1-5 8 7552551 6 M 2R201 0 1-5 1-355388476 -4	910 83278022 3 0 W1966 -5 475410461 8 1974 2 4 1974 3 1974	PER 10: 9714407793 3 AN IRON 1 57679999 4 5 1 5 5 7 7 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C11 2491942 81 C ON CIRCLE ON COLUMN 18 18 421318195066 1 THI AD E.S. 3 6421318195066 THI AD E.S. 3 642131819506 1 THI AD E.S. 3 642131819506 1 THI AD E.S. 3 642131819506 1 THI AD E.S. 3 642131819506 1 THI AD E.S. 3 642131819506 1 THI AD E.S. 3 642131819506 1 THI AD E.S. 3 642131819506 1 THI AD E.S. 3 642131819506 1 THI AD E.S. 3 642131819506 1 THI AD E.S. 3 642131819506 1 THI AD E.S. 3 642131819506 1 THI AD E.S. 3 642131819506 1 THI AD E.S. 3 642131819506 1 THI AD E.S. 3 642131819506 1 THI AD E.S. 3 642131819506 1 THI AD E.S. 3 642131819506 1 THI AD E.S. 3 642131819506 1 THI AD E.S. 3 642131819506 1 THI AD E.S. 3 642131819506	-3 -3 -3 -3 -3 -3 -3 -3 -3 -3	15.8.1 16.1 17.8.1	18.2-2. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.3- LÓNGER : : : : : : : : : : : : : : : : : : :	957868204226 95784431716 95784431716 95784682716 957844387069 10141699931172 9518199931172

	3 ST PPROACI ON. ST. INE AN	96 H ANGLI ART = 3: GLE = RRENCE	20 Y E(RELA 8.20N/ 180.0 (X1000		SHORE WAZ.)			TICAL EES)= 38.00 = 10.0	SUMMAR 105.0 8N/122. 00 ME1 CTION	17 - 134.9 96W ERS	
HEIGHT(METERS)	4.4-	6 à 1 -	8 ₉ 1-	9.6.5 10.5	PERIOD (SECOND 13.3	15) 13.4~ 1 15.3	5.4- : 18.1	18.2. 2 22.2	2 3- LONGER	TOTAL
- 0.999 - 0.1999 - 1.999 - 1.9	10 11 1 1 1 1 1 2 3	60 247 53 103 	1761899913 453213 204	.68512506 · .3	· 5017983 · 3	· · ·			: : : : :	: : : : : : :	90959197403 1219321
MEAN HS(M) = 2.44	LARG	EST HS	(M) = !	5.34	MEAN T	P(SEC	= 9.	5 NUI	MBER OF	CASES =	467
PHASE ALAYE	3 ST PPROACI ON ST. INE AN	96 H ANGLI ART = 3 GLE = 3 GLE = 3 GRENCE	20 Y RELA 8.20N/ 180.00 (X1000	EAR WA TIVE T 122.96 (Deg.				TICAL EES)= 38.00 = 10.00	SUMMAR 135.0 80/122 00 ME1 0710N	14 - 164.9 96H ERS	
HEIGHT(METERS)	4,4- 6 <u>.</u> 0	68 ¹ 0	8 à 1 =	9.6- 10.5	PERIOD (SECOND 13.3	(S) 3.4- 1 15.3	5.4~ : 18.1	18.2- 2	2 3- LÖNGER	TOTAL
	3	3	ò	: : : : :	ċ	: : : :		ò		: : : : : : :	\$ 00000000000
MEAN HS(M) = 0.29	LARG	EST HS	(M) = :	0.44	MEAN 7	TP(SEC)	= 5.	4 NUI	MBER OF	CASES =	4
	3 ST PPROÁCI ON. ST INE AM IT OCCU	96 H ANGL ART = 3 GLE = RRENCE	20 Y E(RELA 8.20N/ 180.0 (X1000					TICAL EES)= 38.00 = 10.0	SUMMAF 165.0 9N/122. 00 ME1 CTION	180.0 96W FERS	T0741
HEIGHT(METERS)	4,4-	6.1-	8;1 <u>-</u> 5	9,6.5 10.5	PERIOD(10.6- 11.7	13.3	3.4- 1 15.3	5.4- : 18.1	18.2 <u>~</u> 2	2 3- LONGER	TOTAL
99999999999999999999999999999999999999		ģ		· · · · · · · · · · · · · · · · · · ·				·		: : : : :	00000000000

MEAN HS(M) = 0. LARGEST HS(M) = 0. MEAN TP(SEC) = 0. NUMBER OF CASES = 0





WIS STATION 96 (38.20N/ 122.96W) TO 38.08N/ 122.96W) MONTH

						110111	,,						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	VOV	DEC	
R6789012374567890123745 R558556666666666777777 E59099999999999999999999999999999999999	09004951-17084867381-17	CIMOPOSTALACIONOSTACION STORIOSTACION STORIO	10798699110804047117751	Nomonous and the sound of the s	2222221111122211112222222	285069407215708913246	היים מים מים מים מים מים מים מים מים מים	73-65-64-63-64-73-55-7-60-63	495934777588455785959	810m9 21m802118m7711914m	490050000055441001157	กลายเลยสมานายเลยสมานายเลย การกระบายการกร	2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.
MEAN	3.3	3.4	3.0	2.6	2.0	1.8	1.7	1.5	1.6	2.2	3.0	3.4	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 96 (38.20N/ 122.96W TO 38.08N/ 122.96W)

HTHOM

							•••					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	MANAGOOOGOOTOTAMOTAGOOOGOOTOTAGOOOOGOOTOTAGOOOOGOOTOTAGOOOOGOOTOTAGOOOOGOOTOTAGOOOOGOOTOTAGOOOOOOOO	N808-486-1889-4867-499	45,0475,040,4045,045,4005,4005	986209077965111051 11 72	ชงอออ? 4ออกง-เชอะเงงเขา การการกงงเกรากากงากการกรา	า.6.6840.000.04m/	าเกอเกลงงานงาสงางงากงางงากงาง งานการงานงาสงางงากงางงากงาง	POPOST PLOST PARTICIONS	กทั้งงานกลอกไอออนน้องหรือเลือน กทั้งงานกลอนเกิดที่จะเกิดเกิดเกิดเกิดเกิดเกิดเกิดเกิดเกิดเกิด	74515154446757575569000000000000000000000000000000	46665464545555565664	10000501001000500000000000000000000000

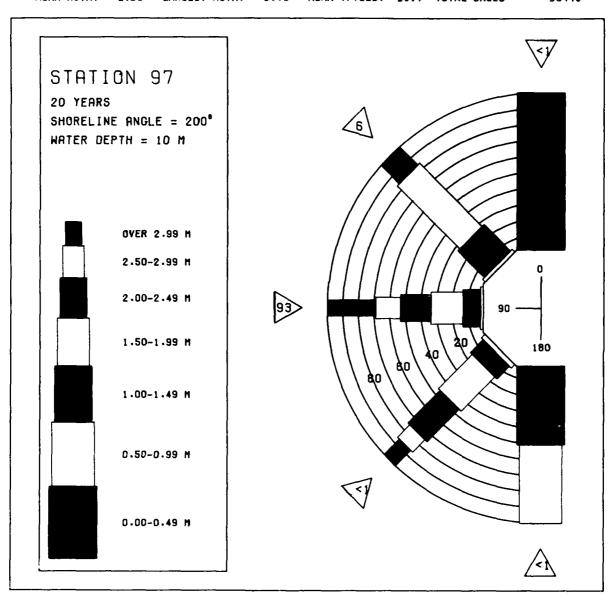
20 YR. STATISTICS FOR PACIFIC STATION 96 (38.20N/ 122.96W TO 38.08N/ 122.96W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECONDS)	12.5
MÁCT EDEMIENT ZA A DEMDEE (MENTED) BYBEATTAN BAND (BEMÖREĞE)	۶٥٠, ٥̈́
STANDARD DEVIATION OF WAVE TP (SECONDS)	\$:6
WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS)	16:7
AVERAGE DÎRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	64012000

PHASE HAYE STORE PERCEN	3 ST 97 APPROACH AN LON. START= LINE ANGLE IT OCCURREN	GLE(RELATI) 38.08N/12 = 200.0 ((X1000)	R WAVE DIR VE TO SHOR 2 96W DEG AZ) OF HEIGHT	ECTION STATELINE IN DE LA CONTROL DE LA CONT	ISTICAL SUN EGREES)= (ND= 38.00N/) IH = 10.00 BY DIRECTIO	MARY 23.01W14.9 METERS	
HEIGHT(METERS)	4.4- 6.1				15.4- 18.2 18.1 22.		TOTAL
0.9499999999999999999999999999999999999			· · · · · · · · · · · · · · · · · · ·		ò	ů	0000000000
MEAN HS(M) = 0.	LARGEST	HS(M) = 0.	MEAN	TP(SEC) =	O. NUMBER	OF CASES =	0
	3 ST APPROÁCH AN LON, STARTE LINE ANGLE IT OCCURREN				ISTICAL SUN GREES) = 15 ID = 38.00N/3 IH = 10.00 BY DIRECTIO		~~~.
HEIGHT(METERS)	4,4- 6,1	- 8,1- 9	6- 10.6- 0.5 11.7	11.8- 13.4 13.3 15.	15.4- 18.2 18.1 22.	- 22.3- 2 LONGER	TOTAL
99999999999999999999999999999999999999					ŏ	i i i i i i i i i i i i i i i i i i i	00000000000
MEAN HS(M) = 0.	LARGEST	HS(M) = 0.	MEAN	TP(SEC) =	0. NUMBER	OF CASES =	. 0
PHASE MAYE LATE SHORE PERCEI	3 ST 97 APPROÁCH AN LON STARTE LINE ANGEE NT OCCURREN	GLE(RELATIVE SERVICE S	R WAVE DIR VE TO SHOR 2.96W L DEG. AZ.) OF HEIGHT	ECTION STATELINE IN DE ATLLON DE PLATER DE PLA	[ISTICAL SUN IGREES) = 45 ID = 38.00N/ IH = 10.00 BY DIRECTION	MARY 50 - 74.9 METERS N	
PHASE WAVE LAT SHORE SHORE PERCEI HEIGHT(METERS)					ISTICAL SUP GREES)= 45 D= 38.00N/1 H = 10.00 BY DIRECTION		TOTAL
	3 PST 4 97 M = 1 10 10 10 10 10 10 10 10 10 10 10 10 1	- 8 1 - 9 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			FISTICAL SUP GREES) = 44 (D= 38.000/) H = 10.000/) B y DIRECTIC 5 18.1 22		TOTAL 1590994 14770013
HEIGHT(METERS)	4,4- 6 1 11 2007 1200 1475 2000 1475	- 8.1- 9.5 10 30 196 776 7773 ! 4777 155 23	PERIOD 10.6- 11.7		3 15.4- 18.22 18.1 22 		159699413000 314773123
HEIGHT (METERS) 0.4990.4990.4990.5001.9490.5002.4990.5003.4990.5003.4990.5003.4990.5004.4990.500	464- 61 111 255 1475 250 1475 2482 2482 2482 2648 10849 LARGEST	- 8 1 - 9 10 3 0 1960 7773 1 1960 7773 1 1960 7775 1 1960	PERIOD 6-5 11.7 6-5 11.7 6-6 2 94 MEAN PRESCRIPTION PRESC	(SECONDS) 113.3 15.1 13.3 15.1 13.3 15.1 15.1 15.1 15.1 15.1 15.1 15.1 15.1	0 (1511CAL SUNTER S) 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 23- 2 LÖNGER 	159999 149999 14702 12 13 14702 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15
HEIGHT (METERS) 0 - 0 - 499 1 - 50 - 1 - 499 2 - 50 - 2 - 3 - 499 3 - 50 - 3 - 499 4 - 50 - 4 - 499 5 - 0 - 0 - 4 - 99 5 - 0 - 0 - 4 - 99 5 - 0 - 0 - 4 - 99 5 - 0 - 0 - 4 - 99 5 - 0 - 0 - 4 - 99 5 - 0 - 0 - 4 - 99 5 - 0 - 0 - 4 - 99 5 - 0 - 0 - 4 - 99 5 - 0 - 0 - 4 - 99 5 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	4.4-0 6 1 111 2 1910 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 8 1- 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD 6-5 11.7 6-5 11.7 5-6 11.7 5-6 11.7 5-6 11.7 5-6 11.7 5-7 11.7	(SECONDS) 113.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3	7.0 NUMBER [ISTICAL SUPERIOR OF THE STORY OF THE STORY OF THE SUPERIOR OF THE	2 23- 2 LÖNGER 	163 3190 74699 102 103 103 103 103 103 103 103 103 103 103
HEIGHT (METERS) 0.4990.4990.4990.5001.9490.5002.4990.5003.4990.5003.4990.5003.4990.5004.4990.500	46-10 100 100 100 100 100 100 100 100 100	- 8 1 - 9 10 3 0 1960 7773 1 1960 7773 1 1960 7775 1 1960	PER 6-7 PER 6-	SECOND 1 1 5 7 5 6 9 1 7 5 6 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 NUMBER 7.0 NUMBER 15.4-18.2 0 7.0 NUMBER 15.4-18.2 15.4-18.	223- 2 LÓNGER 	159683133000 5 L 15980666143 159683133000 T A 217949868144 15986666143 15986666143 15986666143 159866666143 159866666143

PHASE AN MAYE AN LADREL SHOREL PERCENT	ST 9 PROACH ON STAR NE ANGL OCCURR	7 ANGLE(R T= 38.0 E = 200 ENCE(X1	O YEAR WELATIVE 8N/122.9 000) OF				[CAL SUMMAI ES)= 105.0 38.00N/123 10.00 NE DIRECTION	?Y - 134.9 01W TERS	
HEIGHT(METERS)	4.4- 6	8.0 8	1- 9:6- .5 10.5	PERIOD	(SECOND!	§) 5.4- 15	4- 18.2- 3	22 3- LÓNGER	TOTAL
0.50 - 0.49 0.50 - 1.49 1.500 - 1.49 2.500 - 2.349 2.500 - 3.49 3.500 - 4.99 4.500 - 4.99 5. TOTAL	i ė	36652221		1205 1074253	· · · · · · · · · · · · · · · · · · ·	:		·	944 147 283 253
3.050 - 4.99 4.50 - 4.99	:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 17 1 3 3 .	253	41	11 10 :		:	447033889160 12211 12211
TOTAL		.28 28		278	152	27	Ö Ö	Ô	O
MEAN HS(M) = 2.20	LARGES	IT HS(M)	= 4.80	MEAN	TP(SEC)	= 10.0	NUMBER O	F CASES =	659
PHASE AF HAYE AF LAUREL SHOREL PERCEN	S ST. PROACH N STAR INE ANGL OCCURR	7 ANGLE(R T= 38.0 E = 200 ENCE(XI	O YEAR WELATIVE 98N/122.9				[CAL SUMMAI 5)= 135.0 38.00N/123 10.00 ME DIRECTION	₹Y - 164.9 TERS	
HEIGHT(METERS)	4.4~ 6	8.0 8	1- 9.6- .5 10.5	PERIOD	(SECOND	3) 3.4- 15	.4- 18.2- 1 3.1 22.2	22.3- LÖNGER	TOTAL
0 0 1 499 0 0 1 1 499 1 1 2 2 3 4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	i 3 5	i 1 29 1	i :	:	13.3		: :	CONGER	159 459
0.9499 0.9499999999999999999999999999999		•		•	•	•			15952000000
5.00 + TOTAL	ģ	38 2	5 Ò	ò	Ċ	Ġ	o o	ò	Ŏ
MEAN HS(M) = 1.45	LARGES	T HS(M)	= 2.10	MEAN	TP(SEC)	= 7.5	NUMBER OF	F CASES =	46
PHASE AF WAYE AF LAT AF SHOREL PERCENT	ST. ST PROACH ON. STAR INE ANGL	7 ANGLE(R !T= 38.0 E = 200 ENCE(X1	O YEAR WELATIVE 8N/122 9 0 (Deg 000) OF	AVE DIR TO SHOR 6W L HEIGHT	ECTION S ELINE II AT. LON WATER I AND PER	STATIST DEGRE END = DEPTH = LOD BY	ICAL SUMMA ES)= 165.0 36.00N/123 10.00 ME DIRECTION	₹ - 180.0 1685	
HEIGHT(METERS)	4.4- 6	8.0 8	1- 9.6- .5 10.5	PERIOD	(SECOND	3) 3,4- 15 15 ⁴ - 17	.4- 18.2- i	22.3- LONGER	TOTAL
- 49 - 49 - 49 1 49 1 29 1 29				:	:			:	0000000000
2.00 - 2.49 2.50 - 2.99 3.00 - 3.49	:	:	:	:	:	:	: :	:	0
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99	•	•	:	•	•	•		•	0
11.500	ò	Ö	ö ö	Ö	Ö	Ö	ò ò	ó	ŏ
MEAN HS(M) = 0.	LARGES	ST HS(M)	= 0.	MEAN	TP(SEC)	= 0.	NUMBER OF	F CASES =	0

HELGHT (METERS) HELGHT (METERS) - 0.49 - 0.50 - 0.49 - 1.25 - 1.



WIS STATION 97 (38.08N/ 122.96W TO 38.00N/ 123.01W)
MONTH

	MAL	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R555566666666777777 E99999999999999999	and and and and and and and and and and	กรเอยองสาเองเทคาะจะเออกจะเอก	6869-19-1049-14กมีขณาจกณ	พาณอง 44 การเกาะ 440 คากจ	พาคะนาย8099ภพา 80-12เพล	M0608-162-121-1-1-121-1222221	67077607470719979297	95767274958467787274	49604608869266896060	949497497779488899494	มาการายายายายายายายายายายายายายายายายายาย	74เกอเกณะกระบบ 4974กอย เขายนะกระบบ 4974กอย	2. พ.ศ. ค.ศ. ค.ศ. ค.ศ. ค.ศ. ค.ศ. ค.ศ. ค.ศ
MEAN	3.4	3.5	3.1	2.7	2.1	2.0	1.8	1.7	1.7	2.3	3.1	3.5	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 97 (38.08N/ 122.96W TO 38.00N/ 123.01W)

HTHOM

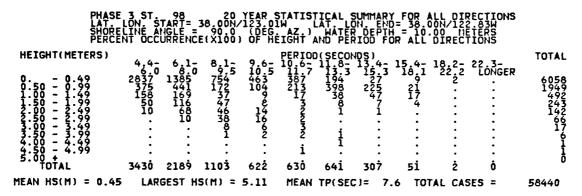
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC
Y++1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	543-6-64-67-45-545-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-	766001471240005178161 506606945465656645657	4565750044575456546654665466546654565565565565565565	016510295077111884484 45654448548766654555	9722288794672972777746	97.897.443.04679.449.464	พางากร่อรงอกงเกาจเกอเกร	กลายสอบการแบบการการกระบาย	カラフェーかいりゅうファーいてもいろり	MARINA AGUNUMANA AUNA AGUNA AG	2141052179950941472F	30000000000000000000000000000000000000

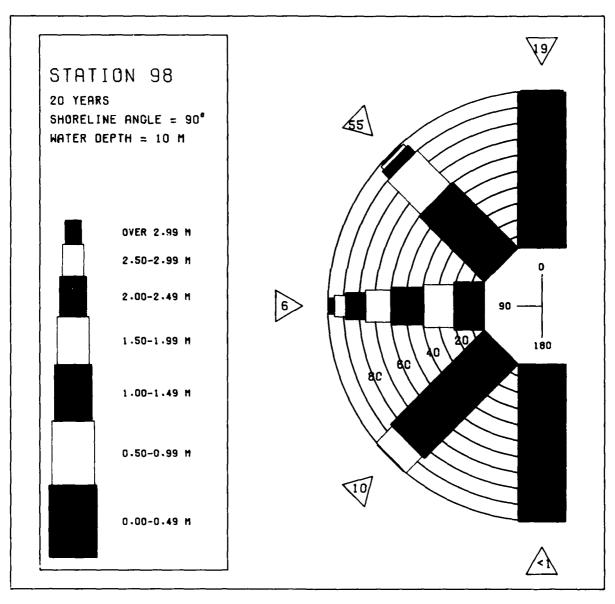
20 YR. STATISTICS FOR PACIFIC STATION 97 (38.08N/ 122.96W TO 38.00N/ 123.01W)

MEAN SIGNIFICANT WAYE HEIGHT	
Most Feedurest to Proper (Artists Atacation Asia) Seconds	
MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND . (SECONDS) 90.0 STANDARD DEVIATION OF WAVE HS (SECONDS) 2.7 STANDARD DEVIATION OF WAVE TP (SECONDS) 2.7	
STANDARD DEVIATION OF WAVE HS (METERS) 1.1 STANDARD DEVIATION OF WAVE TP (SECONDS) 2.7	
LARGEST WAVE HS 7.0 HAVE 19	
MAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) 16.7 AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) 88.1 DATE OF LARGEST HS (SCUMPENCE IS LYR MO.DA.HB) 64012000	

HEIGHT(METERS)	4,4- 6,10 10923 6.0 		: : : : : : : : : : : : : : : : : : :	SUMMARY 0 7 14. 0 0 7 14. 0 0 7 14. 10 0 METERS ECTION 18.2- 22.3- 22.2 LONGER	TOTAL 10920 0 0 0 0 0 0 0 0
PHASE WAYE SHORE PERCE P	4,4- 6,1- 7635 13624 763 3685 177 479 	PERIOD(SECO 10.6-11.8- 11.7 13.3		L SUMMARY 15.0 - 44.00 12.83W 10.0 METERS ECTION 22.2 LONGER 22.2 LONGER 1.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TOTAL 28866 25752 770 00 00 00
PHASE HAVE SHORE SHORE HEIGHT (METERS) 0.49 0.500 - 0.49 11.500 - 22.49 12.500 - 22.49 12.500 - 37.49 14.500 - 4.49 15.00 - 7.49 15.00 - 7.49 16.00 - 7.49 17.00 - 7.49 17.00 - 7.49 18.00 - 7.49 18.00 - 7.49 19.00	4.4- 6.1- 876 106 629 694 468 1896 138 459 	PER IOD (SECO 10 1 1 3 7 7 1 9 8 5 7 1 9 8 5 7 1 9 8 5 7 1 9 8 5 7 1 7 5 2 1 3 5 6 1 1 1 6 2 9 7 6 4 3 7	ON STATISTICA FIN DEGREES: ON ENDE 38: ON	SUMMARY = 545.074.00 / 122.83W / 120.00 / 122.83W / 120.00 / 120.0	TOTAL 117725 111955 17396 10464 12233 177 10
PHASE WAVE LATOR PERCE HEIGHT (METERS) 0.500 - 10.499 1.500 - 10.499 2.500 - 10.	4.4- 6.1- 573 356 5781 2027 5801 2027 3 102 475 		ONDS) 13:4- 15:4- 15:3 16:1	L SUMMARY 104. 275.0 - 104. 00	TOTAL 6277 67195 67195 4227 2034 2034 2034 2034 2034 2034 2034 2034

PHASE WAVE A LAT SHOREL PERCEN	3 ST 98 PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIVE 38.00N/123. 90.0 (DE E(X1000) OF	MAVE DIR TO SHORE 01W L G AZ) HEIGHT	ECTION S ELINE IN AT. LON. WATER D AND PERI	TATISTICAL DEGREES): END= 38.0 EPTH = 10 OD BY DIRE	SUMMARY 105.0 100/122.83 00 METER CTION	134.9 W S
HEIGHT (METERS) 0.499 0.500 - 12.499 1.500 - 23.499 2.500 - 33.499 2.500 - 34.499 2.500 - 4.99	4.4- 6.1- 8.345 8.0 1779 3 292 15. 		PERIOD 10.6-) 5.3 15.1 		TOTAL 3- PHGER 8436 - 17833 - 292 - 663 - 00 - 00 0
	3 ST 98 PPROACH ANG ON. START = 1 TOCCURRENC 4.4-6.1-6.0 8.0	20 YEAR 28 000 7 123 38 000 7 123 8 91- 9 6 9 1- 9 6	WAVE DIR TO SHOR OIW AZ) HEIGHT PERIOD 5 11.7	ECTION S ELINE IN AT. LON. WATER D AND PERI	TATISTICAL DEGREES): ENDE 386 EPTH = 386 EPTH = 15.4- 5.3 18.1	SUMMARY 135.0 - 00N/122.83 00 METER CTION	164.9 34 35 TOTAL 3- NGER 0 0 0 0 0 0 0 0 0 0 0 0 0
PHASE AL SHORE AL SHO	3 ST 0 98 PPROACH ANG ON. STATE INE ANGLE = T OCCURRENC 4.4- 6.0 6.0 8.0 	8,1- 9,6 9,5 10.	PERIOD 10.6-5 11.7	ECTION S ETINE IN AT TER IN WATER IN WATER IN (SECONDS 113.3 1) 4- 15 4- 5.3 18.1 		TOTAL 3- TOTAL NGER - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0





WIS STATION 98 (38.00N/ 123.01W TO 38.00N/ 122.83W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	17011936809090466204	78429713348371046068	56845777656764665787 0000000000000000000000	45,655,457,557,555,555,455,455,455,455,455,4	45000000000000000000000000000000000000	99000000000000000000000000000000000000	00000000000000000000000000000000000000	00000000000000000000000000000000000000	040400000000000000000000000000000000000	450000000000000000000000000000000000000	0000000000000000100100	48658586108721999184	X45555566555555555555555555555555555555
MEAN	0.9	0.8	0.6	0.5	0.4	0.3	0.3	0.3	0.3	0.4	0.6	8.0	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 98 (38.00N/ 123.01W TO 38.00N/ 122.83W)

MONTH

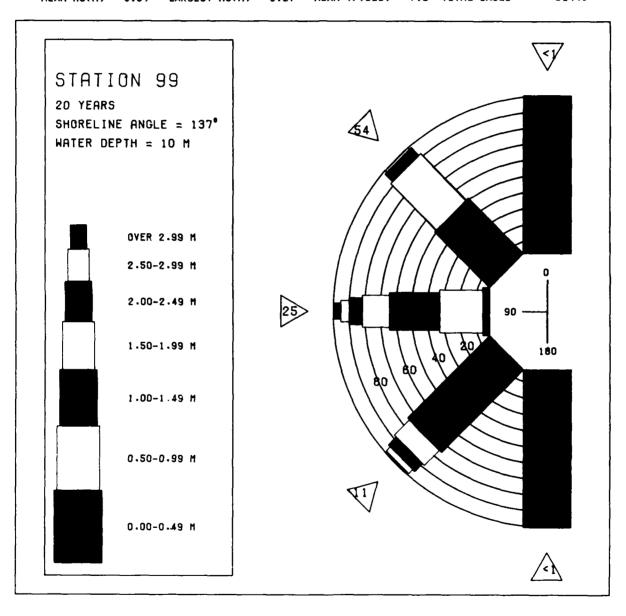
	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	67427778851775845588	MARINGHORD ANTONOMINE	2199141078064869384	102001112220010111211	7767892349699701921	8686467965589869609	445.4455.6748454680 0000000000000000000000	000000000000000000000000000000000000000	52583585777676185764	9578617389675554097	8139978489636844619 071-10001-101-1010003000	1744888719444999000

20 YR. STATISTICS FOR PACIFIC STATION 98 (38.00N/ 123.01W TO 38.00N/ 122.83W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	0.5
MEAN PEAK WAVE PERIOD (SECTION BAND (SECTION) MOST FREQUENT 30.0 DEGREES (CENTER) DIRECTION BAND (DEGREES)	30.0
STANDARD DEVIATION OF WAVE HS (METERS)	0.5
LÁRGEST WÁVE HS (METERS)	2.8 5.1
AVERAGE DÍRECTION ASSOCIATED WITH LARGEST WAVE AS (DEGREES)	80:4
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	59021603

PHASE LAT. PHASE LAT. PHASE LAT. PHASE LAT. PHASE LAT. PHASE SHORT PART PHASE LAT. PHASE	4,4- 6,1- 6.0 8.0 	AAVE DIRECTION TO SHORE LINE STAR AZ) WATE LINE HEIGHT AND P. PERIOD (SECOND 10.6-11.8-5 11.7 13.3	NDS) 13.4- 15.4- 15.3 18.1		TOTAL 000000000000000000000000000000000000
PHASE WAYE LATOR PERCIPATION P	4,4- 6,1- 5728 8.0 	NAVE DIRECTION TO SHORE LINE 133M LAT LEST LEST LEST LEST LEST LEST LEST LES	NDS) 13.4- 15.4- 15.3 18.1	L SUMMARY 44.9 58N/122 71W 58N/122 71W 60 meters 60 18.2- 22.3- 22.2 LONGER 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 6	5728 0 0 0 0 0 0 0 0 0
	4.4- 6.1- 12058 6627 2587 8418 201 2000 15 462 1 2000 1	DIRECTION SHORE LINE SHORE LINE SHORE LINE HEIGHT AND PO PO 10:6-7 13:3 41:40 21:04 15:43 30:2 73 12	NDS 1 4- 15 4- 15 3 18 1 15 12 7 18 1 15 12 7 12 7 12 7 12 7 12 7 12 7 12 7	SUMMARY 45.97 74.9 45.00 METERS ECTION 18.2- 22.3 LONGER	TOTAL 2127642 281542 103944 281666 400 18666 400
PHAS WAVE LAMON PERCCI HEIGHT (METERS) 0.50 - 0.49 1.50 - 1.49 2.500 - 22.49 2.500 - 23.49 2.500 - 3.49 4.500 - 4.99 4.500 - 4.99 4.500 + TOTAL	4.4- 6.1- 6.0 9.3 5815 4825 371 8255 3 118 . 111 	PERIOD(SECO	15.4- 15.4- 15.1 15.1 15.4- 18.1 18.1 19.5 19.	SUMMARY 575.0 - 104.9 88N/122.71W 600 METERS 18.2- 22.3- 12.2 LÖNGER 1.1 1 2.0 2.0 JMBER OF CASES	TOTAL 6752 101289 1489 1484 12329 3577 170 193

PHASE WAVE LATORE PERCE	APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC	20 YEAR LE(RELATIVE 38.00N/122. 137.0 (DE E(X1000) OF	HAVE DIR TO SHOR BIN L G AZ) HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATISTIC N DEGREES DEPTH = 1 IOD BY DI	AL SUMMAR)= 105.0 .88N/122 0.00 ME1 RECTION	RY - 134.9 .71W TERS	
HEIGHT(METERS) 0 0.499 0.50 - 1.249 1.500 - 1.249 2.500 - 3.499 3.500 - 3.499 4.500 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 6.00 -	4.4-0 6.1-0 816 1995 816 1995 2422 13376 2422 1 3345 1	8 9 1 5 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9	: : : : i	(SECOND 11.8-1 13.3 	\$) 3.4- 15.4 15.3 18. 	: : : : : : :	22.3- LÖNGER 	TOTAL 8962886339111440010
PHASE WAVE LAT.e SHORE PERCE	3 ST APPROACH ANG LON. STATE LINE STATE NT OCCURRENC	20 YEAR LE(RELATIVE 38.00N/122. 137.0 (DE E(X1000) OF	HAVE DIR TO SHOR B3W L G AZ) HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATISTIC N DEGREES END= 37 DEPTH = 1 ICD BY DI	AL SUMMAF)= 135.0 :88N/122 :0:00 ME1 RECTION	RY - 164.9 TERS	
	4.4- 6.1- 71320 78 8622 1400 3 		PERIOD 10.67	(SECOND 11.8-1 13.3 	5) 3 4- 15.4 15.3 16. 	- 18.2- 2 1 22.2 	22.3- LÖNGER 	7213 8623 148 0 0 0 0 0 0 0
PHASE WAYE LATE SHORE PERCE	3 ST 99 APPROACH ANG LON. START= LIME ANGLE S NT OCCURRENC	20 YEAR LE(RELATIVE 38.00N/122. 137.0 (DE E(X1000) OF				AL SUMMAR)= 165.0 .88N/122 0.00 ME1 RECTION	RY - 180.0 71W TERS	
HEIGHT(METERS) 0 0.49 0.50 - 0.49 1.500 - 1.99 1.500 - 2.99 2.500 - 2.99 3.500 - 3.99 4.500 - 4.99 5.00 + 4.99 5.00 + 4.99 5.00 + MEAN HS(M) = 0.	4.4- 6.1- 6.0 8.0 	:		(SECOND 113.3 1 13.3 1		: : : : : : : :	22.3- LÖNGER	TOTAL 000000000000000000000000000000000000



WIS STATION 99 (38.00N/ 122.83W TO 37.88N/ 122.71W)

						THOM	Н						
	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R67890123456789012345	מסילותיים מילים	101111111111111111111111111111111111111	91078200089116903250	78958650906959898797	78566756856565677997	05554555050505050500000000000000000000	43444344755565546776	5444554545454566765	46M7.3455.5.45.745.864.640	79486598545665765666	37741079908574190305 00001100010000101100	0100101011111111111110	M0000000000000000000000000000000000000
MEAN	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.5	0.5	0.6	0.8	1.1	
				ADGES	T HS(METED	SI RY	MONT	u ann	YEAD			

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 99 (38.00N/ 122.83W TO 37.88N/ 122.71W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 R5789099999999999999999999999999999999999	877764777942841691444	5-10892564580-19549082 5-10892564580-19582	849866-18-18-157-857-2-185	8-19-6-6-8079-7-8-1-1-7-852 1207-1-1-1-2000-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	10101111101010110100000	403171257293639518845	77.008670500739980451	1801260037.19.17021322	130000111111111111111111111111111111111	75.618946774287650118	1978999445078140655007	งงากงากงสงงสนากากสากกากกา

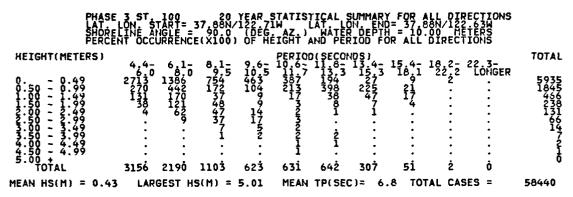
20 YR. STATISTICS FOR PACIFIC STATION 99 (38.00N/ 122.83W TO 37.88N/ 122.71W)

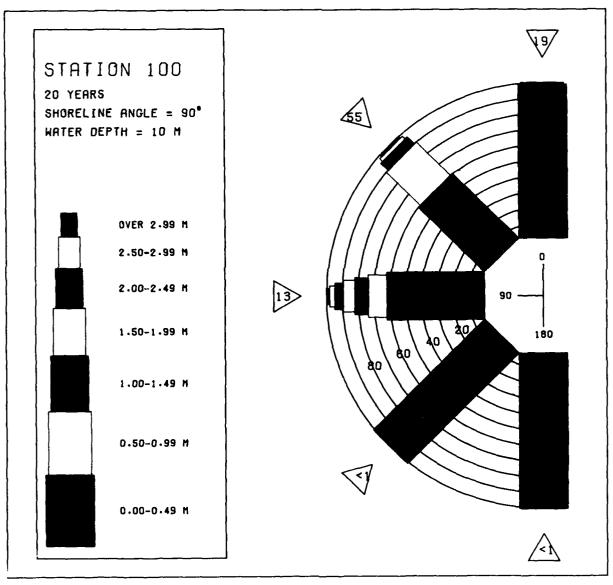
MEAN SIGNIFICANT WAVE HEIGHT	0.7 60.7 60.7 2.3 14.35 176.3
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	63013121

PHASE WAYE LATTER PERCE HEIGHT (METERS) 0 0.49 0.50 - 0.49 1.50 - 1.49 1.500 - 1.49 2.50 - 2.49 3.50 - 3.49 4.50 - 4.49 5.00 - 4.49 5.00 - 4.49 5.00 - 4.49 5.00 - 4.49	4,4- 6,1- 10920 6 	AVE DIRECTION TO SHORE LINE TO SHORE LINE TO SHORE LINE TO SHORE LINE TO SHORE THE SHO	(DS) 13.4- 15.4- 15.3 16.1 		TOTAL 10920 00 00 00 00 00 00 00 00 00 00
PHASE HAYE SHORE PERCE P	4,4- 6,1- 7635 13624 763 3685 177 479 	TO SHORE LINE TO SHORE LINE TO SHORE LINE HEIGHT AND PE PERIOD (SECON 10.6., 11.3.3	(DS) 13.4- 15.4- 15.3 16.1 	SUMMARY 150 - 44. 9	TOTAL 28662110 25777700000000000000000000000000000000
PHASE LATTER PHASE	4.4- 6.1- 9.6- 71- 6.74 71- 5.32 11- 5.48 94-9 5.68 3 	6302 6441	105) 13:4- 15:3 15:3 16:1 22:53 27:5 27:5 17:6 17:7 18:6 17:7 18:6 17:7 18:6 17:7 18:6 17:7 18:6 17:7 18:6 17:7 18:6 17:7 18:6 17:7 18:6 17:7 18:6 17:7 18:6 18:7	SUMMARY 45.0 - 74.9 8N/122.63W CTION 18.2- 22.3- 22.2 2.2 3	TO 11131051 1011111111111111111111111111111
PHASE HAYE SHORE HAYE SHORE HAYE SHORE HEIGHT (METERS)	4.4- 6.1- 3139 125 1266 25 234 203 41 1435 		(DS) 15.3 16.1 	SUMMARY 8N/122-63W 8N/122-63W CTION 18.2- 22.3- 22.2 LONGER 	TOTAL 802868724621

PHASE WAYT RE WAYT RE WAYT RE WAYT RE WAYT RE PER PER PER PER PER PER PER PER PER	4,4- 469 	100 MG 3 MG 6 MG 6 MG 6 MG 6 MG 6 MG 6 MG 6	8,1,5 : : : :		CERIODO 11.7	ECTION IL INE IL	\$)4- 1 15.3 : 	5.4- 1 18.1 : : : : : : :	8.2- 2 22.2	Y	TOTAL 4474 00 00 00 00 00 00 00 00 00 00 00 00 00
PHASE WAVE LATOR PHASE LATOR PHERS PERS HEIGHT (METERS) 0.01-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	4.4- 6.0	6 8 . 0 	8.1.5 9.5	9.6-1		ECTION LINE I LINE I WATER SECOND 180-1 13.3		5.4- 1 18.1 : : : :	8.2- 2 22.2 : : : :	Y 164.9 E 164.9 E 23NGER 	TOTAL 000000000000000000000000000000000000
	LARG 3 ST APPROACE APPROACE APPROACE APPROACE		(M) = YAN/ (RES) 000 (RES) 000 (X) 1-5 (X) 1-5 (X) 1-5	EAR WAY TIVE TO 122 71V (DEG.) OF HE	/E DIRE	F(SEC) ECTION LINE I TH	STATIS N DEGR L END= DEPTH IOD BY	TICAL EES)= 37.88 = 10.0 DIRÉC	SUMMAR 165.0 N/122 0 MET TION	CASES = Y 180.0 63W 63W CASES 2.3- LONGER	TOTAL

MEAN HS(M) = 0. LARGEST HS(M) = 0. MEAN TP(SEC) = 0. NUMBER OF CASES = 0





WIS STATION 100 (37.88N/ 122.71W TO 37.88N/ 122.63W)

HTHOM

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R555566666666789012345	1701100000011011001110	78429713348371646968	50845777657764665787	45655455555555555555555555555555555555	90000000000000000000000000000000000000	99999999999999999999999999999999999999	assessessessessessesses	50000000000000000000000000000000000000	00000000000000000000000000000000000000	45nm4n664n244n4nm4n4	00000000000000000000000000000000000000	37558584197841888084	24hhhininininininininininininin
MEAN	0.9	0.8	0.6	0.5	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.8	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 100 (37.88N/ 122.71W TO 37.88N/ 122.63W)

MONTH

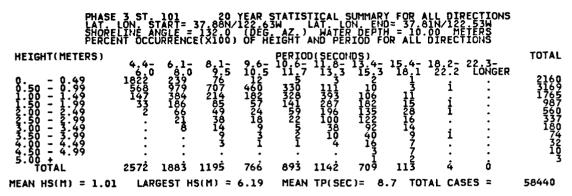
17,43887-8-1-4-4-4-0-38-9-9-7 7-120-9-7-8-4-89-6-5-5-2-1-2-1-2-2-1-1-1-2-2-2-1-1-1-2-2-2-1-1-1-2-2-2-1-1-1-2-2-2-1-1-1-2-2-2-1-1-1-2-2-2-1-1-1-2-2-2-1-1-1-2-2-2-1-1-1-2-2-2-1		HAL	FEB	MAR	APR	MAY	ИUL	JUL	AUG	SEP	OCT	NOV	DEC
	11111111111111111111111111111111111111	、いいつかいいようないからいよう~inito	การบางการการการการการการการการการการการการการก	19914107795		767892349699701	00000110000000	45645569674845468	77366847584667	1585777767678574	78617379675114	120978489655	878-944405

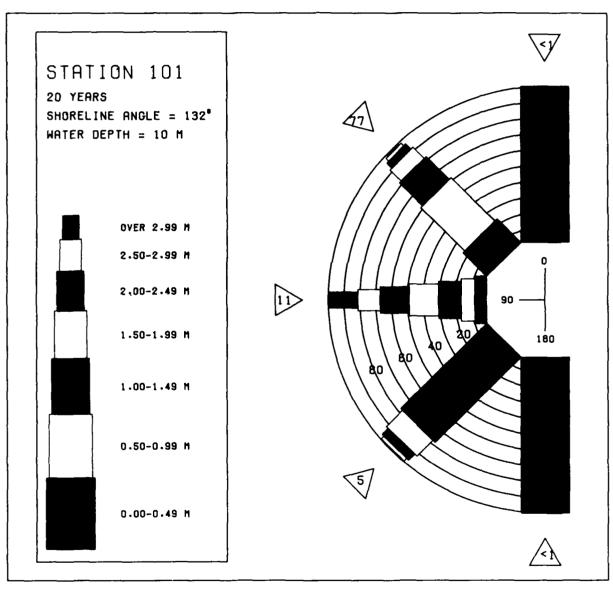
20 YR. STATISTICS FOR PACIFIC STATION100 (37.88N/ 122.71W TO 37.88N/ 122.63W)

MEAN SIGNIFICANT WAYE HEIGHT (METERS)	0.4
MEAN PEAK NAVE PERIOD (SECONDS) MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	30.7
STANDARD DEVIATION OF WAVE HS (METERS)	0.5
I ADGEST WAVE HS	2.8
WAYE TP ASSOCIATED WITH LARGEST WAYE HE (SECONDS)	ļį.į
MÂYÊ TP ÂSSOCIATED WITH LARGEST HAVE HS (DEGREES) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAYE HS (DEGREES) DATE OF LARGEST HS OCCURTENCE IS (YR, ODA, HR)	59021603

PHAS WAYE LATOR SHOR PERCI	E 3 ST 101 APPROACH ANG LON. START= ELINE ANGLE = ENT OCCURRENC	20 YEAR W LE(RELATIVE 37.88N/122.6 132.0 (DEG E(X1000) OF	AYE DIRECTIO 30 SHORELINE 30 LAT L 4 AZ) WATE 4 EIGHT AND P	N STATISTICA IN DEGREES ON. END= 37 R DEPTH = 10 ERIOD BY DI	AL SUMMARY)= 0 - 14. 81N/122.53W 0.00 METERS RECTION	9
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0				- 18.2~ 22.3- L 22.2 LONGER	TOTAL
0.50 - 0.49 0.50 - 1.99 1.500 - 1.99 2.500 - 2.49 2.500 - 3.49 3.500 - 3.49 4.500 - 4.99 5.00 + TOTAL MEAN HS(M) = 0.		9.5 10.5	11.7 13.3		L 22.2 LONGER :	= 0
TIERR HISTHY - V.	LARGEST	J(11) - 0.	HEAR TP(SE	C) = 0. I	TOTIBLE OF CASES	- 0
PHAS MAYE LAT. SHOR PERC HEIGHT(METERS)	E 3 ST 101 APPROACH ANG LON. START= ELINE ANGLE = ENT OCCURRENCE			N STATISTIC. IN DEGREES ON. END= 37 R DEPTH = 1 ERIOD BY DI		9 TOTAL
0.499 	4.4- 6.1- 13470 1632 4211 6225 646 1967 17 196 . 15	8.1- 9.6- 9.5 10.5 179 :	11.7 13.3	15.3 18.	1822-223- 2222 LONGER	15143 10613 2613 215 00
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	: : 18344 10035	: : 220 0	: : 0 0	: : • •	: : 0 0	ŏ
MEAN HS(M) = 0.5		S(M) = 2.42	MEAN TP(SE	C) = 5.7 f	NUMBER OF CASES	= 16716
PHAS WAYE LAT SHO: PERC	E 3 ST 101 APPROACH ANG LON. START= ELINE ANGLE = ENT OCCURRENC	20 YEAR W LE(RELATIVE 37.88N/122.6 132.0 (DEG E(X1000) OF	AVE DIRECTIO TO SHORELINE 3W LAT. HEIGHT AND P	N STATISTIC IN DEGREES ON. END= 37 R DEPTH = 10 ERIOD BY DI	AL SUMMARY 0 - 74. 81N/122.53W 0 00 METERS RECTION	
HEIGHT(METERS) 0.50 - 0.49 1.50 - 1.49 1.50 - 1.49 2.50 - 2.49 3.50 - 3.49 3.50 - 3.99 4.50 - 4.99 5.00 + 4.99 TOTAL	4,4- 6,1- 191 0 607 191 3297 160 1247 73 1795 1 34 1 34 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 9 1 5 10 6 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	PER IOD (SECO 1016-7 113-7 313-7 32976 1393-7 32976 2865-7 32976 2865-	NDS3-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	RECTION 18.2- 22.3- 22.2 LONGER 13 : 11 : 17 : 10 : 10 : 62 0	TOTAL 1509469 1366548569 2665685645514 2665514
MEAN HS(M) = 1.3	B LARGEST H	S(M) = 5.95			NUMBER OF CASES	
	E 3 ST 101 APPROACH ANG LON. START= ELIME ANGLE = ENT OCCURRENC	20 YEAR W LE(RELATIVE 37.88N/122.6 132.0 (DEG E(X1000) OF				
HEIGHT(METERS) 0.50 - 0.49 1.50 - 1.49 1.550 - 1.99 2.50 - 2.49 3.50 - 3.99 4.50 - 4.49 5.00 + 4.99 TOTAL	4.4- 6.1- 6.7 237 253 257 135 258 1 35 258 1 73 258 1 73 258 1 1235 1974	8 9 0 1 5 1 1 4 5 7 5 2	PERIOD (\$120.5) 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	NDS) 13.4- 15.4 15.3 18. 1	18.2- 22.3- 22.2 LONGER : : : : i : i :	TOT 5208618 48863688 6368 631
MEAN HS(M) = 1.84	4 LARGEST H	S(M) = 6.19	MEAN TP(SE	C) = 7.5 i	TUMBER OF CASES	= 3008

	3 ST. 101 APPROACH AND LON. START= LINE ANGLE: NT OCCURREN	20 YEAR SLE(RELATIV 37.88N/122 132.0 (D E(X1000)						
HEIGHT(METERS) 0.49 0.50 - 0.49 1.50 - 1.49 2.50 - 2.249 2.50 - 3.99 2.50 - 3.99 2.50 - 3.99 2.50 - 4.99 2.50 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 6.00 - 4	4.4- 6.1 1921 106 860 58 112 171 17 22 8 3320 496	8:1- 9:0 13 3 10 13 11 11 : : : : : : : : : : : : : : : : :		1 13.3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- 18.2- 22 1 22.2 1 		2040 8971 21373 800 000
	ABPROACH AND LON START = LINE ANGLE: NT OCCURRENC 4.4-6.1 2140	SLE(20 YEAR 37.88N/122 132.00 (D	WAVE DIE E TO SHOP 63W EG AZ) F HEIGHT	RECTION S RELINE IN AT LON. WATER D AND PERI	STATISTIC 1 DEGREES END= 37 DEPTH = 1		164.9 534 RS TONGER	OTAL 2140 0 0 0 0 0 0
TOTAL MEAN HS(M) = 0.07	2140 0 LARGEST I ABPROACH AND LON STARTS LINE ANGLE NT OCCURRENCE	0 45(M) = 0.2 6LE(RELATIV 37,88N/122 132.0 1132.0 1000)		Ö TP(SEC) RECTION S RELINE IN LAT LON. AMATER C AND PERI		ONUMBER OF AL SUMMARY 165.0 - 81N/122 - 9100 METE		0 1251
HEIGHT(METERS) 0.499 0.500 - 0.499 1.500 - 12.949 1.500 - 2.949 1.500 - 3.499 1.500 - 4.499 1.500 -	4,4- 6,1 6.0 8.0 		PERIOT 10.6		3)4- 15.4 5.3 18. 		3— TONGER :	OTAL





WIS STATION 101 (37.88N/ 122.63W TO 37.81N/ 122.53W)

MONTH

	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R55555666666666787777 R9999999999999999999	פינים ביים ביים ביים ביים ביים ביים ביים	44562995472116488815	14420611-1555577556485	01482962019161019938	917999889777797899129	87677657107778698997	64656556877.68676998	000000000000000000000000000000000000000	68504677667956575054	82627823878999797988	10001-11-1-1-1-10-10-1-1-1-1-10	17077740404005500790	NOONOTATINADAOTOTATINADA
MFAN	1.8	1.6	1.3	1.0	0.9	0.8	0.7	0.6	0.6	0.9	1.1	1.7	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 101 (37.88N/ 122.63W TO 37.81N/ 122.53W)

MONTH

	JAN	FEB	MAR	APR	MAY	JŲN	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	77759672740464594448	+++++การเกางงงงกายกรากกา	พฤทธภาคองเกตราคจางจากสา	497.44.47.77.79.40.44.49.49	860088667794880100400	8764MM58264716M94698	09147992875072748794	21144733694249245666	277071111111111111111111111111111111111	MU19444MVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV	กุพลงคลงคลงการที่สุดเกลงการที่การการการการการการการการการการการการการก	847-661-1508281-150901-174

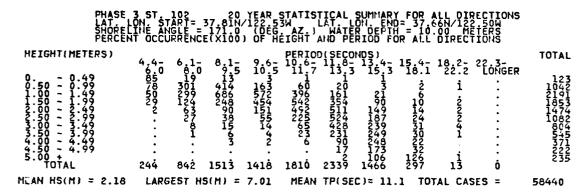
20 YR. STATISTICS FOR PACIFIC STATION101 (37.88N/ 122.63W TO 37.81N/ 122.53W)

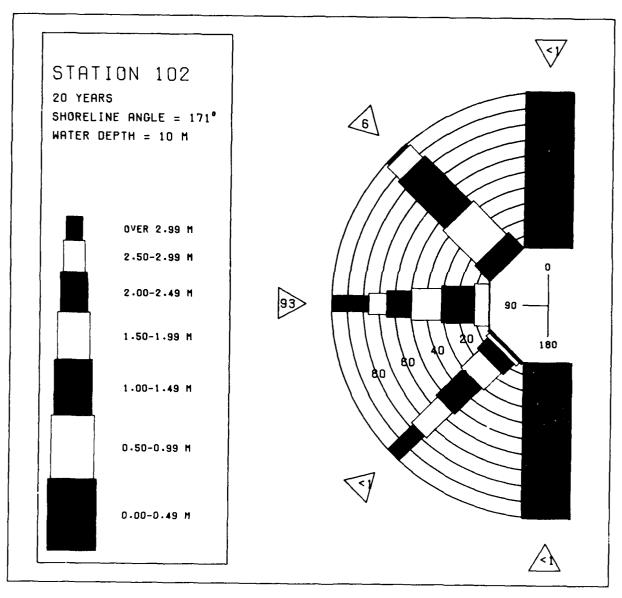
MEAN SIGNIFICANT WAVE HEIGHT (METERS)	1.0
MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	8:7 60.0
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS) LARGEST WAVE HS	0.8 3.2 6.2
LARGEST WAVE HS	6.2
WAVE IP ASSOCIATED WITH LARGEST WAVE HS (SECCIOS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	11.1 94.4 63013121
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	63013121

### ### ##############################		ST 102 PROACH ANG N. START= INE ANGLE = OCCURRENC	LE(RELATIVE 37.81N/122.5 171.0 (DEG E(X1000) OF	AVE DIRECTION TO SHORELINE 3W LAT LO HEIGHT AND PE			
1.50	HEIGHT(METERS)	4,4- 6,1-	8,1- 9,6-	PERIOD(SECON	MS) 13.4- 15.4- :	18,2- 22,3-	TOTAL
PHASE 3 ST. 102 MANE 5 START S	0.50 - 0.99 1.000 - 1.99 2.500 - 2.99 2.50 - 2.99	i :	0 0		6 6		00000000000
HEIGHT (METERS) 4.4 - 6.1 - 8.1 - 9.6 - 10.5 - 11.7 13.3 15.3 18.1 22.2 2.3 - 10.5 - 1.4 - 10.2 - 22.3 - 10.5 - 1.4 - 10.2 - 22.3 - 10.5 - 1.4 - 10.2 - 22.3 - 10.5 - 1.4 - 10.2 - 22.3 - 10.5 - 1.4 - 10.2 - 22.3 - 10.5 - 1.4 - 10.2 - 22.3 - 10.5 - 1.4 - 10.2 - 22.3 - 10.5 - 1.4 - 10.2 - 22.3 - 10.5 - 1.4 - 10.2 - 22.3 - 10.5 - 1.4 - 10.2 - 22.3 - 10.5 - 1.4 - 10.2 - 22.3 - 10.5 - 1.4 - 10.2 - 22.3 - 10.5 - 1.4 - 10.2 - 22.3 - 10.5 - 1.4 - 10.2 - 22.3 - 10.5 - 1.4 - 10.2 - 22.3 - 10.5 - 1.4 - 10.2 - 22.3 - 10.5 - 1.4 - 10.2 - 22.3 - 10.5 - 10.	MEAN HS(M) = 0.	LARGEST H	S(M) = 0.	MEAN TP(SEC	:) = 0. NU	MBER OF CASES :	• 0
150 - 1 49	PHASE AF HAVE AF SHORE L SHORE L PERCEN						TOTAL
150 - 1 49		4,4- 6,1- 6.0 8.0	8.1- 9.6- 9.5 10.5	10.6- 11.8- 11.7 13.3	13,4- 15,4- : 15,3 18,1	18.2- 22.3- 22.2 LONGER	IUIAL
PHASE 3 ST 102 20 YEAR MAVE DIRECTION STATISTICAL SUMMARY HAVE APPROACH ANGLE (RELATIVE TO SHORE LINE IN DEGREES) = 45.0 - 74.9 LAT LON START = 37.81N/122.53M ALL LON ENDE = 37.66N/122.50M PERCENT OCCURRENCE (X1000) OF HEIGHT AND FERIOD BY DIRECTION HEIGHT (METERS) 4.4 6.1 8.1 9.6 10.6 11.3 1.3 15.4 18.2 22.3 - 0.0 0.49 802 184 2970 458 104 51 1.7 1.3 15.3 18.1 22.2 LONGER 0.50 - 0.49 771 2843 2970 458 104 51 1.7 1.3 15.3 18.1 22.2 LONGER 1.00 - 1.49 465 2804 5843 3076 845 136 1 1.7 1.3 15.4 18.2 2.7 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	27944 27944 27944 27944 27944 27944 27944 27944 27944 27944 2794 279	: : : : : : : : : : : : : : : : : : :	: : : : : : : : : : : : : : : : : : :	: : : : : : : : : : : : : : : : : : :	: : : : : : : : : : : : : : : : : : :		00000000000
HEIGHT (METERS) 4 4-6 1-8 1-9 6-16 1 138-13 4-15 4-18 2-22 3- 0 0 0 0 0 0 0 0 10 5 10 5 11 7 13 3 15 3 18 1 22 2 LONGER 0 0 0 0 0 0 0 0 1 18 4 10 5 11 7 13 3 15 3 18 1 22 2 LONGER 0 0 0 0 0 0 0 0 0 0 0 1 12 0 0 0 0 0 0 0	MEAN HS(M) = 0.	LARGEST H	S(M) = 0.	MEAN TP(SEC) = 0. N UI	MBER OF CASES =	. 0
### 1	PHASE ALL LATE LATE LATE LESS PERCENTED LESS PERCENTED LESS PERCENTED LESS PERCENTED LATER	STICLOS PROACH ANG PROACH ANG THE ANGLE = TOCCURRENC	LE(RELATIVE 37.81N/122. 171.0 (DEG E(X1000) OF	AVE DIRECTION TO SHORELINE 3W LAT L AZ LATER HEIGHT AND FE	STATISTICAL IN DEGREES)= IN END= 37.60 DEPTH = 37.60 RIOD BY DIRE	SUMMARY 50,50 - 74.9 60,122 - 74.9 60 METERS CTION	
### 1	HEIGHT(METERS)	4,4- 6,1-	8.1- 9.6-	PERIOD(SECON	DS) 13.4- 15.4- :	18.2- 22.3-	TOTAL
PHASE 3 ST 102 PHASE 3 ST 102 WAVE APPROACH ANGLE (20 YEAR MAVE DIRECTION STATISTICAL SUMMARY HAVE APPROACH ANGLE RELATIVE TO SHORE THE TO DEGREE 3 5.66 N/2 2 50 W LAT LON END 37.66 N/2 2 50 W SHORELTH ANGLE = 1/1 00 0 0 G G G AZ A ANGLE PER TO 00 METERS	- 0.49 - 0.49 - 0.49 - 1.29 - 1.29	6 1 6 0 6 0 6 0 0 0 0 0 0 0 0 0 0 0 0 0	. 6	3283 2007 1614 27657 1614 27657 167 1088	15.3 18.1 1	22.2 LONGER : : : : : : : : : : : : : : : : : : :	11299 17169 17169 17169 17169 17169 171
PHASE 3 ST. 102 PHASE 3 ST. 102 HAVE APPROACH ANGLE (RELATIVE TO SHORELINE IN DEGREES) = 750 - 104.9 LAT LON. END = 37.66N/122.50H SHORELINE ANGLE = 37.81N/122.53H LAT LON. END = 37.66N/122.50H PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION HEIGHT (METERS) 4.4-6.1-8.1-9.6-11.5-11.5-11.5-11.5-11.5-11.6-12.2-22.3- 0.50-0.49 1 10 170 1175 496 133 15.3 16.1 22.2 LONGER 0.50-0.49 1 162 170 1175 496 136 77 23 16 3229 1 100-149 17 136 1014 2645 3122 1476 219 68 3 6738 1 100-149 17 136 1014 2645 3122 1476 219 68 3 6738 2.50-2.49 1 148 163 793 1165 3102 1497 1402 23 6978	MEAN HS(M) = 1.78	LARGEST H	S(M) = 5.15	MEAN TP(SEC	:) = 9.8 NU	MBER OF CASES :	29272
0.50 - 0.99				AVE DIRECTION TO SHORELINE SH LAT LO HEIGHT AND FR	STATISTICAL IN DEGREES)= IN END= 37.60 DEPTH = 10.60 RIOD BY DIRE	SUMMARY 75.0 - 104.9 50/122.50H 00 METERS CTION	TOTAL
0.50 - 0.99	0 0.49	4,4- 6,1- 6,0 6,0 1,7 136 22 13,148	8 9 15 1 16 1 16 1 16 1 16 1 16 1 16 1 16	PERIOD 15 8 3 1 4 7 5 6 7 1 4 7 5 6 7 1 4 7 5 6 7 1 4 7 5 6 7 1 4 7 5 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	15.4-15.4-1 15.8-15.4-1 27.5-28.7-28.7-28.7-28.7-28.7-28.7-28.7-28.7	18.2- 22.3- 22.2 LONGER 16	T 1000000000000000000000000000000000000

	3 ST PPROACI ON ST INE AND IT OCCUP	LO2 H ANGL! ART= 3 SLE = RENCE	20 YI F(RELA 7.81N/) 171.0 (X1000					TICAL EES)= 37.66 10.0 DIREC	SUMMAR 105.0 N/122.0 ME1 TION	1134.9 50W TERS	
HEIGHT(METERS)	4,4ō \$	6.1- 8.0	8,1,5	9.6- 10.5	PERIOD(10.6-1	SECOND 1.8- 1 13.3	(§) 3.4- 1 15.3	5.4- 1 18.1	8.2- 2 22.2	2.3- LONGER	TOTAL
	53625	3642393 · ·	1037997438		i 133 173 173 10	1015853		•	•		587000644893 75345951 1221
TOTAL MEAN HS(M) = 2.65	41	310 EST HS	382 (M) = !	190 5.77	78 Mean t	43 P(SEC)	0 = 8.	Ö 7 Milmi	Ò BED NE	Ò : CASES =	622
PHASE A WAYE A LAT SHOREL PERCEN					VE DIPE O SHORE W LA AZ } IEIGHT A	CTION LINE I T. LCN WATER ND PER	STATIS N DEGR END= DEPTH IOD BY			RY - 164.9 - 50W ERS	
HEIGHT(METERS)	4,4-	6.1.0	8,1~	9.6- 10.5	PERIOD(10.6~1 11.7	SECOND	5) 3,4- 1	5,4- 1 18.1	8.2- 2 22.2	22.3- LONGER	TOTAL
0.50 - 0.49 1.50 - 1.49 1.50 - 2.49 1.50 - 2.49 2.50 - 3.49 3.50 - 3.49 4.50 - 4.99 5.00 - 4.99 5.00 - 4.99	4.4-0 4.11 1113 · · · · · · · · · · · · · · · · · ·	8.0 3 1 1 1 10 EST HS			: : : : : : :						414280100000
MEAN HS(M) = 0.67	LARG	(2) H2	(Fi) = 1	2.60	HEAN I	P(SEC)	= 5.	2 NUM	BER UF	CASES =	47
	3 ST IPPROACI ON. ST INE AND IT OCCUP	102 H ANGLI ART = 3 SLE = RRENCE	20 Y RELA 7.81N/ 17.00 (X100					TICAL EES)= 37.66 = 10.0 DIREC	SUMMAR 165.0 N/122 0 ME1 TION	7 - 180.0 50W TERS	
HEIGHT(METERS)	4.4-	6.1-	8.1-	9.6- 10.5	PERIOD(10.6-1 11.7	SECOND	(§) 3.4- 1! 15.3	5.4- 1 18.1	8.2- 2 22.2	2 3- LÖNGER	TOTAL
0.499 9.999 9.49 9.49 9.49 9.49 9.49 9.49 9.49 9.49 9.49 9.49 9.49 9.49		:	•			•	•				8000000000
TOTAL	8	Ó	Ó	Ò	Ó	Ŏ	Ö	0	Ō	O	

MEAN HS(M) = 0.03 LARGEST HS(M) = 0.05 MEAN TP(SEC) = 4.7 NUMBER OF CASES = 5





WIS STATION 102 (37.81N/ 122.53W TO 37.66N/ 122.50W)
MONTH

	JAN	FEB	MAR	APR	MAY	HUL	JUL	AUG	SEP	OCT	NOV	DEC	
A5555366666566665	ช.68.4.28.7.09.9.6.7.6.7.	99546291899408F	25658688067101	73941918419811	776775354973476	96253607584246	10422001913152	101110101111010	27371146425033	1212112212121222	ณนของจากออกเลองอก ของจากออกเลองอก	51321811165127	

MEAN 3.1 3.2 2.7 2.3 1.7 1.5 1.3 1.1 1.4 2.0 2.8 3.2

LARGEST HS(METERS) BY MONTH AND YEAR WIS STATION 102 (37.81N/ 122.53W TO 37.66N/ 122.50W)

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC
09112092939716700373	80158208906072248956	4899-664070399-6032742	946497772066890605059	147-664ขอก-เกอ-680-เกรอเร	6471506715842877085299	878-198: 1880-1822-19802 1222-1922-1922-1922-1922-1922-1922-192	87850418499055091515	847878-757457-6409080	42372171674216959672	80091096242061942107	80677970870166700081

MONTH

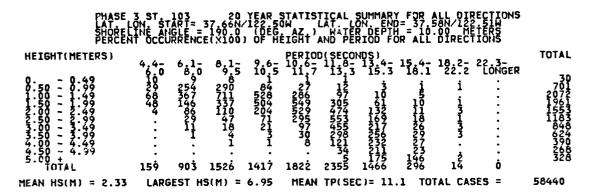
20 YR. STATISTICS FOR PACIFIC STATION102 (37.81N/ 122.53W TO 37.66N/ 122.50W)

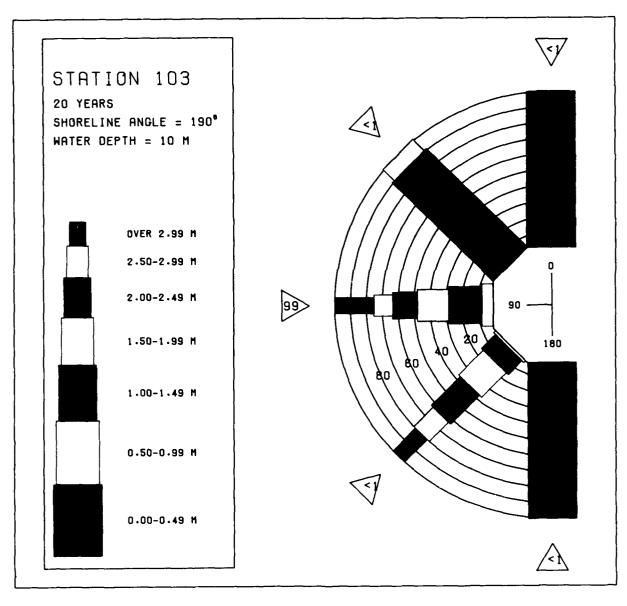
MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECONDS) MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	2.2 11.1
STANDARD DEVIATION OF WAVE US (METERS)	60.0 1.2 2.5
STANDARD DEVIATION OF WAVE TP	7.0 16.7 78.4
DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	57022409

	3 ST 103 PPROÁCH ÁNG! ON. STARTE = INE ÁNGLE = IT OCCURRENC!	20 YEAR W E(RELATIVE 57.66N/122-5 1900 (DEG E(X1000) OF	AVE DIRECTION TO SHORELINE OW LATER HATER HEIGHT AND PE			
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8;1- 9.6- 9.5 10.5	PERIOD(SECON 10.6~ 11.8- 11.7 13.3	13.4~ 15.4~ 15.4~ 16.1	18.2- 22.3- 22.2 LONGER	TOTAL
0.49 0.49 0.99 1.949		; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	i i i i i i i i i i i i i i i i i i i			0000000000
MEAN HS(M) = 0.	LARGEST H	S(M) = 0.	MEAN TP(SEC	:) = 0. NU	MBER OF CASES =	. 0
PHASE WAYE LAT SHORE SHORE PERCEN HEIGHT(METERS)			AVE DIRECTION TO SHORELINE LO LA LO HEIGHT AND PE PERIOD(SECON			TOTAL
0 0.49	4,4- 6,1-	8,1- 9,6- 9.5 10.5	FERIOD(SECON 10.6-11.8- 11.7 13.3	15.3 18.1	18.2- 22.3- 22.2 LONGER	n
0.500 - 1.499 1.500		: : : : : : : : : : : : : : : : : : :	: : : : : : : : : : : : : : : : : : :			00000000000
MEAN HS(M) = 0.	LARGEST H	S(M) = 0.	MEAN TP(SEC) = 0. NU	MBER OF CASES =	. 0
PHASE WAYE LAT SHORE PERCEN	3 ST. 103 PPROACH ANGI ON. START= THE ANGLE = IT OCCURRENCE	20 YEAR W E(RELATIVE 51.66N/12255 1.90.0 (DEG (X1000) OF (AVE DIRECTION TO SHORELINE DW LAT LO HEIGHT AND PE	STATISTICAL IN DEGREES)= N. END= 37.5 DEPTH = 10. RIOD BY DIRE	SUMMARY 74.9 45.0 - 74.9 80 METERS CTION	
HEIGHT(METERS)	4,4- 6,1-	8.1- 9.6- 9.5 10.5	PERIOD(SECON 10.6-11.8- 11.7 13.3	DS) 13.4- 15.4-	18.2- 22.3- 22.2 LONGER	TOTAL
99999999999999999999999999999999999999	4;4-0 6;1-0 889 1;8 123 2;36 160 378 	8 9 1 5 9 6 5 1 0 5 5 1 0 5 5 1 0 5 5 1 0 5 5 1 0 5 5 5 1 0 5 5 5 5	11.7 13.3 i : : : i ò	15.3 18.1 	22.2 LONGER	17939 17939
MEAN HS(M) = 1.05	LARGEST HS	S(M) = 2.40	MEAN TPUSEC) = 6.8 NU	MEER OF CASES =	724
		20 YEAR W E(RELATIVE 57.66N/122-5 190.0 (DEG (X1000) OF 1	AVE DIRECTION TO SHORELINE DW LATER HEIGHT AND PE	STATISTICAL IN DEGREES): N. END: 37:5 DEPTH = 10: RIOD BY DIRE	SUMMARY 75.0 - 104.9 8N/122.51 00 METERS CTION	
HEIGHT (METERS) 0.499999999999999999999999999999999999	4 - 6 - 6 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7	8 1 - 9 0 6 5 9 7 7 10 17 8 7 7 8 26 0 2 8 26 0	PER 100-1 1 1907-1919 PER 100-1 1 1907-1919 PER 100-1 1 1907-1919 PER 100-1 1919 PER 1	11 150186977560 151 150186977560 151 150186977560 151 150186977560 151 16761571570 151 16761571570 151 16761571570	18.2- 22.3- 22.2 LONGER 18 10 343 135 325 20	TOTAL 205044114809982221

	APPROACH LON STA LON STA LINE ANG NT OCCUR	03 ANGLE RT= 37 LE = 1 RENCE()	20 Y (RELA) 66N/ 90 0 Kloco					TICAL EES)= 37.58 = 10.0 DIREC	SUMMAR 105.0 N/122 0 MET TION	Y - 134.9 514 ERS	
HEIGHT(METERS)	4.4-	6.1-	9.5 9.5	9.6- 1 10.5	ERIOD(\$ECOND 13.3	S) 3.4- 1! 15.3	5.4- 1 18.1	8.2- 2 22.2	2.3- LÖNGER	TOTAL
99999999999999999999999999999999999999	17 17 	5387 537 537 537 537 537 537 537 537 537	. 30213508 386532	134679551	15211 ·	12105657	183			:	066469698 1935251 12151
4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	28	224 :	292	1 182	111	6 1 73	12	ń	Ò	ń	7
MEAN HS(M) = 2.40		ST HS(1		5.49		P(SEC)		2 NUM	BER OF	CASES =	552
Prase Maye Shore Perce	3 ST 1 APPROACH LON. STA LINE ANG NT OCCUR	03 ANGLE RT= 37 LE = 11 RENCE(20 Y RELA 66N/ 90.0 ×1000					TICAL EES)= 37.58 = 10.60	SUMMAR 135.0 N/122. 0 MET TION	Y - 164.9 51W ERS	
HEIGHT(METERS)	4.4- 6.0	6.1- 8.0	8,1- 9.5	9.6- 1 10.5	PERIOD(SECOND 1.8- 1 13.3	5) 3,4 <u>-</u> 1	5.4- 1 18.1	8.2- 2 22.2	2.3- LÖNGER	TOTAL
0.49 - 0.49 1.00 - 1.49 1.50 - 2.49 2.50 - 2.49	-1555	15 13	9.5 : :	10.5	:	13.3	15.3	:	:	LUNGER	1606100000
3.50 - 3.49 3.50 - 3.99 4.50 - 4.99 5.00 - 4.99	: : 14	30	:				: : :	ò	: : :	i i i	99000
MEAN HS(M) = 1.35	LARGE	ST HS(M) = ;	2.03	MEAN 1	P(SEC)	= 6.	1 NUM	BER OF	CASES =	28
	APPROACH LON. STA LINE ANG NT OCCUR	03 ANGLE RT= 37 LE = 19 RENCE()	20 Y RELA .66N/. 90.0					TICAL EES)= 37.58 10.00 DIREC	SUMMAR 165.0 N/122.0 MET TION	Y - 180.0 51W ERS	
HEIGHT(METERS)	4.4-	6.1- 6.0	9.5 •	9.65 F	PERIOD(10.6-1	SECOND 1.8- 1 13.3	5) 3.4- 1 15.3	5.4- 1 16.1	8.2 _~ 2 22.2	2.3- LONGER	TOTAL
0.50 - 1.99 1.50 - 1.99 2.50 - 2.99	•	•	:	•	•	:	•	•	:		30000
3.50 - 3.49 3.50 - 3.99 4.00 - 4.49 4.50 - 4.99	:		:	:		:	:	:		:	0000000000
5.00 + TOTAL	Ó	Ó	Ö	Ó	ċ	Ò	Ó	Ġ	Ò	ò	a

MEAN HS(M) = 0. LARGEST HS(M) = 0. MEAN TP(SEC) = 0. NUMBER OF CASES =





WIS STATION 103 (37.66N/ 122.50W TO 37.58N/ 122.51W)

		-											
						MONT	H						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 855555666666666678907777 87555556666666667890999999999999999999999999999	880217917111084717778096	mmmmmmmmmayunamn	4607979สถาจณะเกิดค6609	OUT-6MOROTM-104MOOM900	9889994466-194599994-78	974647-1800555558088-104	22111111111111111111111111111111111111	המשתחשות המתחשות המשתחשות המשת המשתחשות המשתחשות המשתחשות המשתחשות המשתחש	274722157637144572847	70038057910837097922	N808-448997-1104-0899-8215	ดูกรุ่งสาดสายเกตร์สายเกตร์สายเกตร์สายเกตร์สายเกตร์สายเกตร์สายเกตร์สายเกตร์สายเกตร์สายเกตร์สายเกตร์สายเกตร์สายเ	N-10440000000000000000000000000000000000
MEAN	3.3	3.4	2.8	2.5	1.8	1.7	1.4	1.3	1.5	2.1	2.9	3.4	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 103 (37.66N/ 122.50W TO 37.58N/ 122.51W)

MONTH

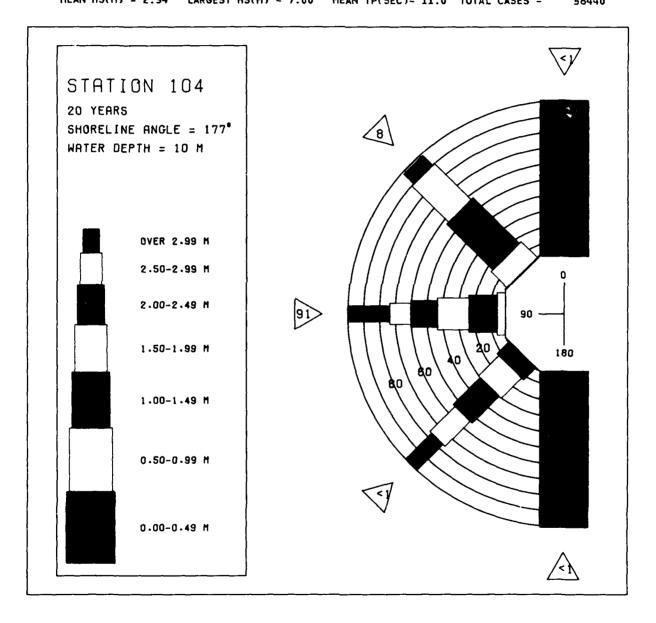
	HAL	FEB	MAR	APR	MAY	HUL	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 E59596666666777777979 E999999999999999999999	\$211110742900002405 5500000000000000000000000000000	98-19-1495-140509-1460-150	711078711040000505050	งชอกๆๆๆกการการการการการการการการการการการการการ	การเการ์ ของการการการการการการการการการการการการการก	86571847854089717411	องสารองการอยาการ ขนางขนางขนางการจนางการณ	0807-1529502-1472-12745	ค 6498628656797526292	M564544449966099474966	9-10052229-66549-4-17-25-10 4-66-654-645-4-55-55-10-64	07906240060296500617 465655566656656665

20 YR. STATISTICS FOR PACIFIC STATION103 (37.66N/ 122.50W TO 37.58N/ 122.51W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	2.3 11.1 90.0
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS) LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS)	1.2
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	16.7 84 64012100

PHASE ALATOR AND AND AND AND AND AND AND AND AND AND	3 ST 104 PPROÁCH ANGI ON START= INE ANGIE= T OCCURRENCE 4.4- 6.1- 6.0 8.0	8;1- 9,6; 9,5 10;! 		ON STATISTI E IN DEGREE LON. END= 3 ER DEPTH = P PERIOD BY D ONDS) - 13.4- 15.4 3 15.3 16 		TOTAL 3- NGER
PHASE ALATOR PHASE	4640 610 37 : 15 : 	8 1- 9.6 9.5 10.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		·		TOTAL 3- NGER
HEIGHT (METERS) - 0.4990.9490.9		8 1 - 9 6 6 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD(SEC 110.6-113. 41 27 212 26 607 26 607 26 2607 26 2607 26 27 25 25 3 185	5	4- 18,2- 22, 1 22.2 LO 1	TOTAL
PHASE MAYE LISTORY PHASE MAYE LISTORY PERCENT	464- 61- 610 8.00 13 112 11 118 11 122 21 	8,1- 9,6	PERIOD (\$E.6.) 10.6-713.7 20.6-713.7 20.6-713.7 20.6-72.	ON STATISTES ON STATISTES EN DENTH EN DENTH EN DENTH ON DENTH ON DENTH STATIST ON DENTH ON DENTH STATIST ON DENTH ON DENTH STATIST ON DENTH STATIST ON DENTH STATIST ON DENTH STATIST ON DENTH STATIST ON DENTH STATIST ON DENTH STATIST ON DENTH STATIST ON DENTH STATIST ON DENTH STATIST ON DENTH STATIST ON DENTH STATIST ON DENTH STATIST ON DENTH STATIST ON DENTH STATIST ON DENTH STATIST ON DENTH STATIST STAT	1- 18.2- 22.0 1- 17.5	104.9 STOTAL 3- NGER 15179 109933 124482 181229 181229 2787 0 ASES = 38300

PHASE HAVE ALL LATER PERCENTED PERCE	S ST 10 PPROACH ON STAR INE ANGL T OCCURR	4 ANGLE(R T= 37 E = 17 ENCE(X)	O YEAR DELATIVE SHIP (122.5)				ICAL SUI EES)= 10 37.50N/ 10.00 DIRECTI	MMARY 5.0 - 134.9 122.480 METERS DN	
HEIGHT(METERS)	4,4- 6		1- 9.6. 0.5 10.9	PERIOD 10.67	(SECOND 11.8- 1 13.3	5) 3.4- 15 15.3	6.1 18.	2- 22.3- .2 LONGER	TOTAL
00112233449 00112233449 00112233449 00112233449 00112233445	13 13 	1448921 · · · · · 33	· 6737975 1234975 13436 174	· · i22078 · · 0	· · · 51 · 865876		•		01964305143 63906341 1121
MEAN HS(M) = 2.67			5.77		TP(SEC)	= 8.9	NUMBE	R OF CASES	= 541
PHASE ALL MAYE ALL SHOREL PERCEN	3 ST. 10 PPROACH DN. STAR INE ANGL T OCCURR	ANGLE(F T= 37; E= 17; ENCE(XI	(0 YEAR ELATIVE 80/122 000 UF					MMARY 5.0 - 164.9 122.48W METERS DN	
HEIGHT(METERS)	4.4- 6	1.0 8	1- 9.6 0.5 10.9	PERIOD - 10.6- 5 11.7	(SECOND	S) 3.4- 1: 15.3	6.1 18.	2- 22.3- .2 LONGER	TOTAL
	i 8 6	· i 8 · · · · · · · · · · · · · · · · ·							1400000000
MEAN HS(M) ≈ 1.46	LARGES	ST HS(M	= 1.86	MEAN	TP(SEC)	= 5.7	7 NUMBE	R OF CASES	= 16
PHASE ALLATINE LA TARRENT LA TARRENT PERCENT	3 ST 10 PPROACH ON. STAR INE ANGL T OCCURR	ANGLE(F T= 37 E = 17 ENCE(X)	PELATIVE SEN/122.				FICAL SUES)= 16 37.50N/ 10.00 DIRECTION	MMARY 5.0 - 180.0 122 48W METERS ON	
HEIGHT(METERS)	4.4~ 6	8.0 8	1- 9.6 0.5 10.9	PERIOD	(SECOND 11.8-1	S) 3.4- 15 15.3	.4- 18. 18.1 22	2- 22.3- .2 LONGER	TOTAL
- 0.49 0.99 0.500 - 1.499 2.500 - 3.499 2.500 - 3.499 3.500 - 4.99 4.500 - 4.99 5.000 - 4.09 TOTAL MEAN HS(M) = 0.	; ; ; ; ;	Ö Ö ST HS(M)	: : : : : : : : : : : : : : : : : : :		13.3			O O O	000000000000000000000000000000000000000
HEAR HOUTT - U.	LARGES	i natri	, - U.	ric AN	17(366)	= 0.	ושמויוטא	T UP LASES	= 0



WIS STATION 104 (37.58N/ 122.51W TO 37.50N/ 122.48W)

Y1111111111111111111111111111111111111	879WH94HH97H707W7996	10000000000000000000000000000000000000	46879799479818196609	050051400771047007909	998997577205699990178	17474829606468688204	MACATALICANIANTANA 6874	6545495475445554741	M748224576M7-144672847	70878057919726997021	M797-147996M9M98898-15	6ภ4ทงเวามากลุ่งเทพเกงเกากกาง	M-004400mmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm
MEAN	3.2	3.3	2.8	2.5	1.9	1.7	1.5	1.3	1.5	2.1	2.9	3.3	

LARGEST HS(METERS) BY MONTH AND YEAR WIS STATION 104 (37.58N/ 122.51W TO 37.50N/ 122.48W)

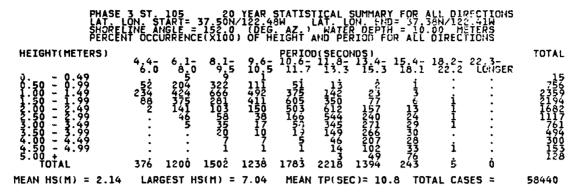
						MONT	H					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 E5900990909990999077777	NOT-10194080781-1995	80179908109089450148	79008761945140145054	44655555555744095655555	215090715084409-151515607	7.660 - เลียงสายงานสายงานสายงานสายงานสายงานสายงานสายงานสายงานสายงานสายงานสายงานสายงานสายงานสายงานสายงานสายงานส	<u>พลงผลงคลงคลงคลงคลงคลงคลงคลงคลงคลงคลงคลงคลงคล</u>	9098นเภทอยากาสอกอการอย	954977417655677609182	M444544644M5444MM54	9-10-13-107-454-07-705-704-07-9-07-9-07-9-07-9-07-9-07-9-07-9-	92/79404094027640H492

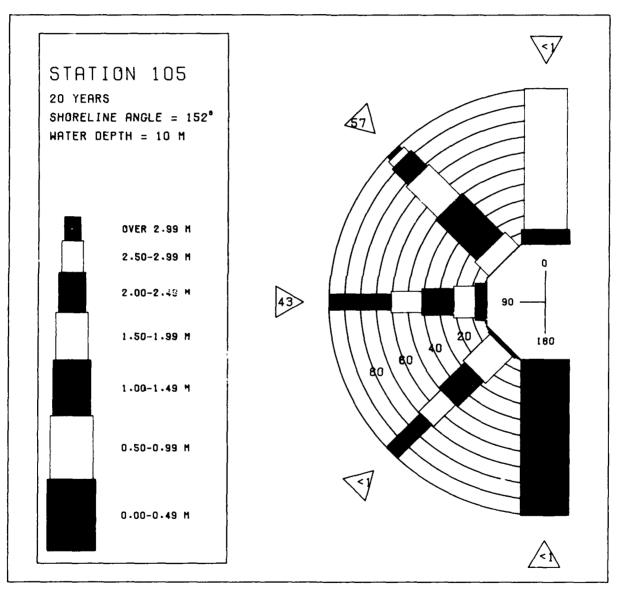
20 YR. STATISTICS	FOR PACIFIC	STATION104	(37.58N/	122.51W	TO 37.50N/	122.48W)
MEAN SIGNIFICANT	WAYE HEIGHT			(M	ETERS)	2.3
MEAN PEAK WAVE PER MOST FREQUENT 30.0 STANDARD DEVIATION	RIOD Degrée (Če	NTÈR) DIRECT	TON BAND	· · · (5	ECONDS) FCRFFS1	2.3 11.0 90.0
STANDARD DEVIATION	N OF WAVE HS			. (M	ETERS)	[]. <u>]</u>

CONT FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND : (DEGREES) 90.0
TANDARD DEVIATION OF WAVE HS 1.1
TANDARD DEVIATION OF WAVE HS 1.2
ARGEST WAVE HS 1.5
ARGEST WAVE HS 1.6
AVE TP ASSOCIATED WITH LARGEST WAVE HS 1.6
VERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS 1.6
AVE TP ASSOCIATED WITH LARGEST WAVE HS 1.6
BO 3
ATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR) 57022469

PHASE WAYE LAT SHORE PERCE	3 ST 105 APPROACH AN LON. START= LINE ANGLE NT OCCURREN	GLE(RELATI 37.50N/12 = 152.0 CE(X1000)	R WAVE DIR VE TO SHOR 2.48W L DEG. AZ.) OF HEIGHT	ECTION STA RELINE IN D AT LON. E WATER DEP AND PERIOD	TISTICAL EGREES)= ND= 37.38 TH = 10.0 BY DIREC	SUMMARY 0 N/122.41H 0 METERS TION	4.9
HEIGHT(METERS)	4,4- 6,1 6.0 8.					8.2- 22.3- 22.2 LONG	TOTAL
0.50 - 0.499 1.500 - 1.299 2.500 - 3.499 2.500 - 3.499 2.500 - 4.99 2.	6.0 8.		0.5 11.7 : : : : : : : . : . : 	13.3 15.	3 18.1 : : : : :	22.2 LONG	ER 000000000000000000000000000000000000
MEAN HS(M) = 0.	LARGEST	HS(M) = 0.	MEAN	TP(SEC) =	O. NUM	BER OF CAS	ES = 0
	3 ST L 105 APPROACH AN LON. START= LINE ANGLE NT OCCURREN						4.9
HEIGHT(METERS)	4,4- 6,1 6,0 8,	- 8,1- 9 0 9.5 1	PERIOD 6- 10.6- 0.5 11.7	(SECONDS) 11.8- 13.4 13.3 15.	- 15,4- 1 3 18.1	8.2- 22.3- 22.2 LONG	TOTAL ER
99999999999999999999999999999999999999	4.4- 6.1 4.75 3.259 2.263 1.759 1 165 	i 10 1			•		99237 792477 216
5.00 + TOTAL MEAN HS(M) ≈ 1.39	3477 4250	12 HS(M) = 2.4	ò ò	ò ò TP(SEC) =	ò	Ó Ó Ber of Casi	0 ES = 4527
PHASE WAVE LAT: SHORE PERCE!	3 ST. 105 APPROACH AN LON. STARTE LINE ANGLE NT OCCURREN	GLE(RELATT) 37:50N/12: = 152:00	R MAVE DIR VE TO SHOR 2.48W L DEG. AZ.) OF HEIGHT	RECTION STA RELINE IN D LAT. LON. HATER DEP AND PERIOD	TISTICAL EGREES)= ND= 37.38 TH = 10.0 BY DIREC	SUMMARY 45.0 - 7' N/122.41W 0 METERS TION	4.9
PHASE WAVE LAT SHORE SHORE PERCE HEIGHT(METERS)			R WAVE DIR VE TO SHOR DEG. AZ.) OF HEIGHT PERIOD	RECTION STA RELINE IN D LAT LON EP WATER OF AND PERIOD (SECONDS) 11.8-13.4	TISTICAL EGREES)= ND= 37.38 TO BY DIREC	SUMMARY 45.0 - 74 N/122 41H 0 METERS TION 8.2- 22.35	TOTAL
HEIGHT(METERS)	4,4- 6,1	- 8,1- 9	06- 10.6-	(SECONDS)	- 15,4- 1	SUMMARY 7450 - 1460 - 1	TOTAL
HEIGHT(METERS) - 0.49 - 0.99 - 0.99 - 1.99 - 1.99 - 2.99 - 2.99 - 3.99 - 3.99	4,4- 6,1 5,5 7,3 2,433 102 1603 11 1085 11 1085 11 1085 11 1085 11 1085 12 185 13 285 14 38 38 7186	- 8,1- 9	PER 100 0 6 7 11 1 3 1 1 3 1 3 1 3 1 3 1 3 1 3 1 3	SECOND 3 1 5 2 7 7 4 6 8 7 7 4 6 8 7 7 4 6 8 7 7 4 6 8 7 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	-3 16.1 17539933027738	SUMMARY 7450 - 176 176 176 176 176 176 176 176 176 176	TOTAL ER 1666 17333 185003443 150034462 1644214 1044
HEIGHT (METERS) 0 0. 499 0. 50 - 1. 949 1. 500 - 1. 949 2. 500 - 2. 949 2. 500 - 3. 949 4. 500 - 4. 97 5. 00 - 4. 97 5. 00 - 4. 97 5. 00 - 4. 97 6. 00 -	4,4- 6,1 5,5 7,3 2,433 102 1603 11 1085 11 1085 11 1085 11 1085 11 1085 12 185 13 285 14 38 38 7186	- 8 1 - 9 1 - 9 1 - 5 1 - 3259 1 1 9 2 2 9 7 1 2 9 1 1 1 2 2 1 1 1 2 2 3 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 8 1 1 8	PERIOD POR 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	SECOND 3 1 5 2 2 4 6 8 6 7 7 4 6 8 6 7 7 4 6 8 6 7 7 4 6 8 7 7 7 4 6 8 7 7 7 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8.2- 22.3- 22.2 LONGI 5	TOTAL ER 166 67780 18550355 105144612 1043 ES = 50230
HEIGHT (METERS) 0. 49 0. 50 - 1. 49 1. 500 - 1. 249 2. 500 - 2. 349 2. 500 - 34 49 2. 500 - 44 2. 500 - 44 2. 500 - 44 2. 500 - 44 2. 500 - 44 2. 500 - 44 2. 500 - 44 2. 500 - 44 2. 500 - 44 2. 500 - 44 2. 500 - 44 2. 500 - 44 2. 500 - 44 2. 500 - 44 2. 600	4.4- 6.1 4.5- 174333 102 16083 11 10883 11 10883 12 16083 13 7188 LARGEST 3 PROJUCT AN LON STARLE NT OCCURREN 4.4- 6.1	- 8 1 - 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	PERIOD POR 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	SECOND 3 1 5 2 2 4 6 8 6 7 7 4 6 8 6 7 7 4 6 8 6 7 7 4 6 8 7 7 7 4 6 8 7 7 7 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 2- 22 3- 22 LONG 5	TOTAL ER 166 67730 18533 110035 6514462 11043 ES = 50230 4.9 TOTAL
HEIGHT (METERS) 0.499 0.500 - 0.499 1.500 - 1.299 2.500 - 2.949 2.500 - 3.499 2.500 -	44-0 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 0 9 1 1 9 9 1 1 9 1	PEO 1 1 13064521 6 AN PEO 1 15728162 8 PO 1 16 20860 1 1 1 15728162 8 PO 1 16 20860 1 1 1 15728162 8 PO 1 16 20860 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 1 1 2 2 2 4 6 8 6 1 1 3 1 5 2 2 4 6 8 6 1 1 3 1 5 1 5 2 2 4 6 8 6 1 1 3 1 5 7 4 6 8 6 1 1 4 1 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	-3 15.393322738 NUM -3 15.393322738 NUM -3 15.393322738 NUM -3 15.3922738 NUM -4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8.2- 22.3- 22.2 LONGI 5	TOTAL ER 16680333557823 16733557823 10642210 2 2 3 0 4 9 TOTAL 1789222835554 1600057015 1600057015 1600057015 1600057015

	ST 10 PROACH DN. STAR INE ANGL OCCURR	5 ANGLE(RE T= 37.50 E = 152 ENCE(X10	YEAR WATIVE N/122 40 0 (DEG 00) OF				TICAL SU ES)= 10 37.38N/ = 10.00 DIRECTI	MMARY 5.0 - 134.9 122.41W METERS UN	
HEIGHT(METERS)	4.4- 6	.1- 8.1 8.0 9.	- 9.6- 5 10.5	10.6- 11.7	(SECOND 11.8-1 13.3	3,4- 1! 15,3	5.4- 18. 18.1 22	2- 22.3- .2 LONGER	TOTAL
0:50 - 0:49 0:50 - 0:99	i		:	:	:	:	:	: :	0 <u>1</u>
1.50 - 1.99	i 20 3	49 22 58 61	:	:	:	•	:	:	91 122
2.50 - 2.99 3.00 - 3.49		49 22 58 61 77 59 20 90 88	13	<u> </u>	:	:	:		152 152
99999999999999999999999999999999999999	:	49 22 577 25 25 579 25	139 46 203	335663	1 i	:	:	: :	912224242 1255451 11111
0.50 - 0.49 1.50 - 1.49 1.50 - 1.249 2.50 - 2.49 2.50 - 3.49 3.50 - 3.49 3.50 - 4.99 4.50 - 4.99 5.00 + 4.99 5.00 + 4.99 MEAN HS(M) = 2.98	25 2	15 340	12 i	26 26	ıi	ò	ò	å å	-3
MEAN HS(M) = 2.98	LARGES	T HS(M)	= 5.21	MEAN	TP(SEC)	= 8.	5 NUMBE	R OF CASES	= 440
PHASE I	PROACH	S ANGLE (RE	YEAR W	VE DIR	ECTION I	STATIST N DEGRI	TICAL SU	MMARY 5.0 - 164.9 122.41W METERS ON	•
SHORELI PERCENI	N. SIAR NE ANGL	= 3/.50 = 152 	N/122.41 0 (DEG 00) OF 1	SW AZ) Height	AT. LON WATER AND PER	DEPTH:	37.38N/ = 10.00 DIRECTI	METERS	
HEIGHT(METERS)									TOTAL
0 0.49	6.0	8.0 8,1	5 10.5	111.7	(SECOND 11.8-1	15.3	.4- 18 18.1 22	2- 22.3- 2 LONGER	a
99999999999999999999999999999999999999	•	: :	:		:	:	:		Ŏ
2.50 - 2.49 2.50 - 2.99	:	: :	:	•	:	•	:	: :	Ö
3.00 - 3.49 3.50 - 3.99	:	: :	•	•	:	:	:	: :	Ŏ
0.49 0.49 0.49 0.49 0.49 0.500 0.49 0.500 0.49 0.5000 0.49 0.49 0.49 0.5000 0.49 0.49 0.49 0.5000 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0	:	:	:	:	•	:	:	:	00000000000
	Ò	Ò Ò	Ö	Ŏ	Ò	Ò	Ŏ	Ŏ Ŏ	-
MEAN HS(M) = 0.	LARGES	T HS(M)	= U.	MEAN	TP(SEC)	= 0.	NUMBE	R OF CASES	= 0
BUACE 3	. et 10	E 50	VEAR U	AUE DED	ECTTON	CT / TTC	TTCAL CI	MMARY	
WAVE AF	PROACH ON. STAR	ANGLE(RE T= 37.50	: ÀTIVE N/122.4	TO SHOP	ELINE I AT. LON	N DEGRI	ES)= 16	MMARY 5.0 - 180.0 122 41W METERS ON	1
SHOREL1 PERCEN	NE ANGL	ENĒE (XÎO	0 (0£6 00) OF 1	AZ.) HEIGHT	WATER AND PER	DEPTH :	DÍRÉCTI	METERS ON	
HEIGHT(METERS)	4.4- 6	il- 8;1	. 9.6- 5 10.5	PERIOD 10.6-	(SECOND	S) 3.4- 1!	.4- 18 .8.1 22	2- 22.3- .2 LONGER	TOTAL
0.50 - 0.49	6.0	B.O 9.	5 10.5	11.7	13.3	15.3	18.1 -22	.2 LONGER	Q
1.00 - 1.49 1.50 - 1.99	:	: :	:	:	:	:	:	: :	Ö
2.00 - 2.49 2.50 - 2.99	:	: :	•	•	:	•	:	:	0
99999999999999999999999999999999999999	:	: :	:	•	•	:	•	• •	00000000000
4.50 - 4.99 5.00 +		: : • •		ō	å		À	 	o o
0.50 - 0.49 1.50 - 1.49 2.500 - 1.49 2.500 - 2.49 2.500 - 2.49 2.500 - 4.99 2.500 - 4.99 5.00 + TOTAL MEAN HS(M) = 0.	LARGES	UU Ths(m)	= 0.	•	U TP(SEC)	- O.	NUMBE	U U R OF CASES	= 0
				•		- •			=





WIS STATION 105 (37.50N/ 122.48W TO 37.38N/ 122.41W)

MONTH

	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E90909090909090909090909090909090909090	84700748784175600703	886950950577+05059789	<u> </u>	82824898449849654567	78678546698457778047	865656176855556577085	224724-72024504455765	4217200405000000000044641	1677-245-461-627	59616824707493785899	04577227-05-65-65744772	38290610132016189636	N900-100-100-1-1-100-10-10-10-10-10-10-10-
MEAN	3.0	3.1	2.6	2.2	1.7	1.6	1.4	1.3	1.3	1.9	2.6	3.1	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 105 (37.50N/ 122.48W TO 37.38N/ 122.41W)

HTHOM

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	49008169938782980288	90789984688694094760 475454468555555555555	73934782053028099997	M464MMAMMAMAMAMAAMAAA	การกระทาง 4417-6487901159	04ณฑอเกาเกิดจาน4646เกรางกา	81308799011882305787	20100001111011000001100000000000000000	0909500500000055151600014	99949799999999999999999999999999999999	MM654M5M44M4M444M44M	45197049104416699198

20 YR. STATISTICS FOR PACIFIC STATION105 (37.50N/ 122.48W TO 37.38N/ 122.41W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2.1
MEAN PEAK WAVE PERIOD (SECONDS)	10.8
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES) STANDARD DEVIATION OF WAVE HS	60.0
STANDARD DEVIATION OF WAVE TR (SECONDS)	2.6 7.0
LARGEST WAVE HS (METERS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS)	16.7
AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	74.9
DATE OF LARGEST HS OCCURRENCE IS (YR, NO, DA, HR)	57022406

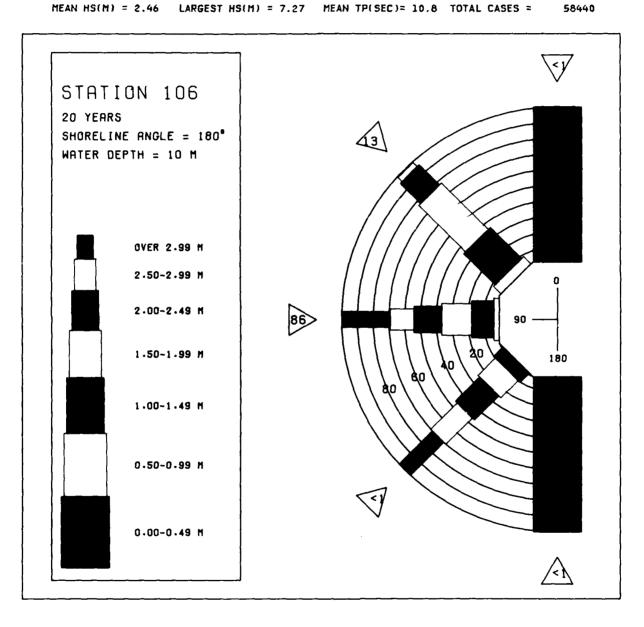
Appendix E: Sta 106 through 134

	123°	122°	121°
19 -	106		
19 4	107 PIGEON PT	i I	
37°	108 SA	NTA CRUZ	
·	109 70		
+ 18		112	
	1 - 7 - A	(13)	1 1
	17 -\$ <u>N</u>	MONTEREY	-N-
		H	
	11	PT SUR	
16-�		116	
36°	15	117 LOPEZ PT	
	107	119	
	14	120	
	PACIFIC	100	SIMEON
	OCEAN	1 12	
	•••	123	
	13 -\$	12/2	MORRO BAY
		12-	
0		}	127 PISMO BEACH
35°			129
		11-0	130
		11.4	131
		10-\$	132
			133
	LEGEND		134
		9- \$	CONCEPTION
	PHASE II PHASE III	J 4	
34°	TE LUNGE TIT		♦8

PHASE WAYE LAT SHORE PFRCE	APPROACH ANG LON. STARTS LINE ANGLE S HT OCCURRENCE	20 YEAR W LE(RELATIVE 37.35N/122.4 180.0 (DEG E(X1000) OF	AVE DIRECTION OF THE SHOPE CONTROL OF THE SHOPE CON	N STATISTIC IN DEGF E ON END 3 R DEPTH = ERIOD BY D	AL SUMMAR 7.26H/122 10.00 MET IRECTION	Y 41 4 14.9 ERS	
HEIGHT(METERS)	4,4-0 6.1-0		PERTOD (SECO				TAL
0.500		9.5 10.5		6		LUNGER	00000000000
MEAN HS(M) = 0.	LARGEST H	_	MEAN TP(SE	(C) = 0.	NUMBER OF	CASES =	O
	APPROACH ANG LON. STARTE LINE ANGLE = NT OCCURRENCE	LE(RELATIVE 37.38N/122.4 180.00 (DEG E(X1000) OF			AL SUMMAR 15 0 15 0 12 0 12 0 12 0 12 0 12 0 12 0		
HEIGHT(METERS)	4,40 6,10	8;1- 9;6- 9.5 10.5	PERIOD(SECO 10.6- 11.8-	13.4- 15.4 15.3 18.	1 22.2 2	TO1 2 3- LÓNGER	
99999999999999999999999999999999999999	4.4° 6.1° 8.0° 8.0° 8.0° 8.0° 8.0° 8.0° 8.0° 8.0					4	84840000000 367
TOTAL MEAN HS(M) = 1.27	48Ž 10Ž ' Largest H	0 0 S(M) = 1.79	Ö Ö MEAN TP(SE	0 (C) = 5.6) Ö NUMBER OF	0	343
	3 ST 106 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC				CAL SUMMAR ()= 45.0 ().26N/122 ().000 MET ().000 MET		
HEIGHT(METERS)						TOT	TAL
HEIGHT(METERS) 0.50 - 0.49 0.500 - 1.49 0.500 - 2.49 0.500 - 2.49 0.500 - 2.49		8 9 1 5 1 205777 5 1 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	PERTOD(SECO			TOT	TAL 920062846740
HEIGHT(METERS) 0.499	4.4- 6.1- 6.50 8.00 1257 10926 1135 25709 121 2701 121 2701 123	8 9 1 - 9 0 6 - 5 11 8 9 1 2 6 5 12 8 9 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	PERIOD(SECO 10:6-11:8- 11:7 13:3 37 29 244 46 236 46 236 70 116 70 27 18 1 102 371	NDS) 13.4- 15.6 15.3 18 10 34 33 10 8	1822-2	TOT	2877658446740
HEIGHT(METERS) 0.50 - 0.49 1.50 - 1.29 1.500 - 1.29 1.500 - 1.29 1.500 - 1.29 1.500 - 1.29 1.500 - 1.29 1.500 - 1.29 1.500 - 1.29 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.71 PHASE HAYE LAHORE PERCE	4.4- 6.1- 6.50 8.00 1257 10926 1135 25709 121 2701 121 2701 123	8 9 1 5 9 0 6 5 1 5 6 5 1 6 6 5 1 6 6 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	PERIOD(SECONDE DE LA CONDENSIÓN DE LA CO	15.3 18.1 18.1 18.1 18.1 18.1 18.1 18.1 18	1 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	DOMER : 25 16 16 16 16 16 16 16 1	92062846740 287765829440 38
HEIGHT(METERS) 0 - 0 - 49 0 - 0 - 49 1 - 50 - 1 - 99 1 - 50 - 2 - 99 1 - 50 - 3 - 99 1 - 50 - 4 - 49 1 - 50 - 4 - 49 1 - 50 - 4 - 99 5 - 00 + 4 - 99 5 - 00 + AL MEAN HS(M) = 1.71 PHASE LATE SHORE HEIGHT(METERS)	44-0 6.50 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-	8 9 1 5 1 265675759 1 1 2 8 9 1 5 1 2 8 3 4 5 1 5 2 8 3 4 5 5 1 5 2 8 3 4 5 5 1 5 1 5 2 8 3 4 5 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	PERIOD(SECONIA) 1016-7 13.1 189 29 2444 466 2366 70 1166 70 277 183 1102 371 MEAN TP(SE AVE SHORE CTINE HEIGHT AND PERIOD(SECONIA) PERIOD(SECONIA)	15.3 18.1 18.1 18.1 18.1 18.1 18.1 18.1 18	0 NUMBER OF	TOTE TOTE TOTE TOTE TOTE TOTE TOTE TOTE	92062846740 287765829440 38
HEIGHT(METERS) 0.50 - 0.49 1.50 - 1.29 1.500 - 1.29 1.500 - 1.29 1.500 - 1.29 1.500 - 1.29 1.500 - 1.29 1.500 - 1.29 1.500 - 1.29 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.71 PHASE HAYE LAHORE PERCE	46 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 9 1 5 1 205 6 5 1 205 6 5 1 205 6 5 1 205 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	PER 100 1 1 37 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	101.00 TOTO TOTO TOTO TOTO TOTO TOTO TOTO T	9200628446740 0 L 953736976244

PHASE WAYE SHORE PERCEING PERC	46.0 17 3	106 HARGE 3 FRENCE 5 6 1-0 356668 235 EST HS	8.1.5 9.5 11.34 655 757 10. 319		PERIODI 1 10.7 10.7 10.7 10.7 10.7 10.7 10.7 10.	5ECONET 13351 1355664	25) 35.4-1 15.3	5.4- 1 18.1		Y 134.9 41W 41W 2.3- LONGER 	TOTAL 000 13052 1505
PHASE WAVE SHORE PARCE IN THE IGHT (METERS) - 0.49 0.500 - 1.99 1.500 - 2.49 1.500 - 2.49 1.500 - 3.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49	4.4-0 335 	6 à 1 ō · · · · · · · · · · · · · · · · · ·	20 YE F(RELA) 7.38N/ 180.0 (X1000 8.1- 9.5	9.6.5 10.5	PERIOD 1 11:7	SECONO 13.3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.4- 1 18.1	.8.2- 2 22.2	2 3- LONGER 	TOTAL 0 34 16 00 00 00 00 16
PHASE ELEMATOR DE LA MATOR DELLA APPROAC LONE AND NT OCCU	106 H ANGL ART 3 GRENCE 6.1- 8.0	20 YI RELATION 7.30N/ 7.30N/ 1.1000 8.1- 9.5		PERIOD(111.7)			TICAL EES)= 37:26 DIREC 5.4-1 18:1		2 180.0 ERS 2 3-ER LONGER 	TOTAL 000000000000000000000000000000000000	

MEAN HS(M) = 0. LARGEST HS(M) = 0. MEAN TP(SEC) = 0. NUMBER OF CASES = 0



WIS STATION 106 (37.38N/ 122,41W TO 37.26N/ 122.41W)

MONTH

	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	ИΟЛ	DEC															
Y1111111111111111111111111111111111111	98-15421-18507-847-1206	กกการทางกากกากระบบ รุงเกรากระบบ การการทางการการการการการการการการการการการการการก	40000000000000000000000000000000000000	าเกิง64ากาย4ภาคภาคงงากง งงกางงงงงงงงงงงงกากกงงกง	000011078871780001390	29-69-58-4-08-18-5-8-7-0-8-7-6	45655765157596668095	74555065756255566962	38592467747155683948	8-19-49-215-80-70-8-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7	พระการเการ์	0M0440MM4804400MH080	NAME OF THE PROPERTY OF THE PARTY	MEAN	3.4	3.5	2.9	2.6	2.0	1.8	1.6	1.5	1.6	2.2	3.0	3.5	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 106 (37.38N/ 122.41W TO 37.26N/ 122.41W)

MONTH

	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 R67890123456789012345	5465645645544666654	93-15-49999709094-1940	40807.340702.908.146037 455555546446355654664	9889979800947-1941-1215 9464477775477555555555555555555555555555	Production of the state of the	6857504457599498570 กันนั้นนากมากานนั้นมากันนั้นกาก	งเงนงหายงานของสายายงานของสายายงา	8067	กรณฑายงานของการเกาะการ กรณฑายงานของการเกาะการ	7744544545555544475570855	406654645444555555555	928829797605997501555

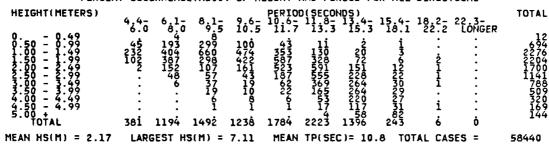
20 YR. STATISTICS FOR PACIFIC STATION106 (37.38N/ 122.41W TO 37.26N/ 122.41W)

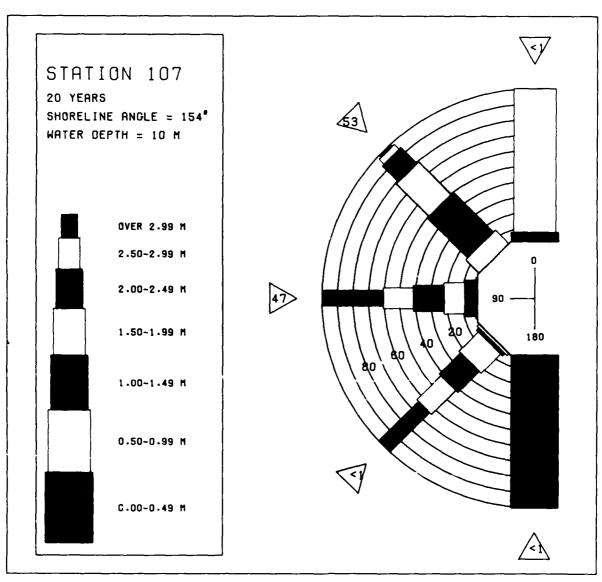
37022132	MEAN SIGNIFICANT WAVE HEIGHT	2.58 190.01 27.63 162.12
	DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	57022412

PHASE ALL SHORT SH	ST 107 PPROACH ANG NE START= INE ANGLE = T OCCURRENC 44-61-61- 6.0 8.0	8 1- 9 6- 9 5 10 5 			L SUMMARY	TOTAL 000000000000000000000000000000000000
HEIGHT (METERS) - 0.499 - 1.2499 - 1.2499 - 1.2499 - 1.2500 - 1.2499 - 1.2500 - 1.2499 - 1.2500 - 1.2500 - 1.2500 - 1.2500 - 1.2500 - 1.2500 - 1.2500 - 1.2500	4.4- 6.1- 6.0 8.10 212 2224 1456 823 1983 186 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		PERIOD(SECONDE DE LA PERIOD (SECONDE DE LA P		L SUMMARY = 15.0 - 44.9 11N/122.31H 600 METERS ECTION 18.2- 22.3- 22.2 LONGER	TOTAL 6121 3681 2806 1860 000
PHASE ALL SHORE IN THE IGHT (METERS) HE IGHT (METERS) - 0.49 - 0.499 - 1.223499 - 1.22	4.4- 6.1- 6.50 17037 156 17526 17526 11 13022 	8 9 1 5 1 0027 655 6 5 3 2 7 7 7 4 4 1 5 6 5 5 6 6 6 7 7 7 4 4 1 5 6 5 6 6 6 6 7 7 7 1 4 1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	PERIOD (SECOND 11 1 2 8 1 1 6 8 1 1 6 8 1 1 6 8 1 1 6 8 1 1 6 8 1 1 6 8 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1	12287 1782	L SUMMARY 74.9 11N/122.31H 100 METERS ECTION 18.2- 22.3- 22.2 LONGER 3 I	TOTAL 1460 18891 188466 1555499 66461 26023
PHASE ALL HAVE LATOREN HEIGHT (METER!) 0.500 - 1122499 1.550 - 372499 2.550 - 37	4.4- 6.1- 6.0 8.1 27 10 837 10 837 10 837 10 11 11 11 11 11 11 11 11 11 11 11 11 11	VEAR RELATIVE 46 CONTROL OF CONTR		153 14.1 1754545666666666666666666666666666666666	L SUMMARY 7.75.0 - 104.9 107.5 0 - 104.9 100 METERS 100	TOTAL 296877366277 1222027795375

PMASE AF MAYE AF SHOREN SHOREN	ST. 1 DO ÁCH DN. STAI INE ANG I OCCUR	07 ANGLE RT= 37 R. HOE	20 Y (RELA 26N/ 154.0 X1000					TICAL EES)= 37.1 = 10.	SUMMAR 105.0 107.122 00 MET CTION	Y - 134.9 31W ERS	
HEIGHT(METERS)	4,4-	6.1 ₋	8,1-	9.6- 10.5	PERIOD	(SECOND	\$) 3,4- 1	5.4- 18.1	18,2- 2	2 3- LONGER	TOTAL
0.50 - 0.49 0.50 - 1.49 1.500 - 1.49 2.500 - 2.49 2.500 - 3.49 3.500 - 4.49 4.50 - 4.99 5.00 + Total	i 11 5	14582	-562857558 257892	5425	36558557	•		:			05074061655 27276562 1111
4100 - 4149 4150 - 4199 5100 +	:	:	23 8		855	8 5	:	:	:	:	-66 25
TOTAL MEAN HS(M) = 3.01		22 4 St H81	377 M) =	138 5.20		14 TP(SEC)	0 = 8.	Ö K NIR	Ö MBFP OF	Ö Cases =	
11EAN 115(11) - 5.01	LARGE	J1 1136	(1) -	9.20	IILAN	17(320)	- 0.	0 110	IDER OF	CASES -	401
HAYE AE HAYE AE SHOREN	PROÁCH PROÁCH N. STAI (NE ANG OCCURI	07 ANGLE 27 37 LE = 1 RENCE	20 Y (RELA 26N) 5400 X1000					TICAL EESJ= 37.1 = 10.	SUMMAR 135.0 10/122 00 MET CTION	Y - 164.9 31W ERS	
HEIGHT(METERS)	4,4-	6.1- 6.0	8 ₉ 1-	9.6- 10.5	PERIOD	(\$EÇOND	S) 3.4- 1	5.4- :	18.2- 2 22.2	2.3- LONGER	TOTAL
0.499 - 499 - 499 	i 6 :	i i i i	7.5 : : : :	:	:	:	:	:	:	CONGER	01071310000
4.50 ~ 4.99 5.00 +	: 7	;	: å	ì	: å	: ò	: ñ	: ñ	: å	: ň	Ŏ
MEAN HS(M) = 1.99	•	ST H5(m) =	3.01	MEAN	TP(SEC)	= 6.	I NU	MBER OF	CASES =	10
PHASE A W/YE AF CHOREL PERCENT	STATE TO STATE OF COURT	07 ANGLE RT= 37 LE 37 RENCE(20 Y (RELA (26N) (5400 (31000							Y - 180.0 31W ERS	
HEIGHT(METERS)	4,4-	6.1- 8.0	8,1- 9.5	9.6- 10.5	PERIOD	(SECOND	\$) 3,4- 1 15.3	5.4- :	18,2- 2	2 3- LONGER	TOTAL
0.49 0.50 - 0.49 1.50 - 1.99 2.550 - 2.49 3.50 - 3.49 3.50 - 4.99 5.00 + 4.99 5.00 + 4.99 5.00 + 4.99 5.00 + 4.99	Ö		0		ii.,	i : : : : : : : : : : : : : : : : : : :				i	000000000000
MEAN HS(M) = 0.	LARGE	ST HS(M) =	0.	MEAN	TP(SEC)	= 0.	NUI	MBER OF	CASES =	0

PHASE 3 ST. 107 20 YEAR STATISTICAL SUMMARY FOR ALL DIRECTIONS LAT. LON. START= 37.26N/122.41W LAT. LON. END= 37.11N/122.31W SHORELINE ANGLE = 154.0 (DEG. AZ.) WATER DEPTH = 10.00 METERS PERCENT OCCURRENCE(X100) OF HEIDT AND PERIOD FOR ALL DIRECTIONS





WIS STATION 107 (37.26N/ 122.41W TO 37.11N/ 122.31W) MONTH

							••						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	ΝΟΛ	DEC	
R67890123456789012345 R55555666666666777777 E99999999999999	งมาการการของ 4 สอเกอราชาการการ เพาะการการของการการการการการการการการการการการการการก	98776496688896499999	1555586678462999955187	122222122122222222222222222222222222222	78688556608467879657	96465627685556577894	NO.4 MINOS AND BOOK	המתמשסעתומשת משל להים	1637-10455050505046-1757	1212112212121222111122	056480m76500615754875	MONDOTHONIMMONGOOGG	M M
MEAN	3.1	3.1	2.6	2.2	1.7	1.6	1.4	1.3	1.4	1.9	2.6	3.1	

LARGEST HS(METERS) BY MONTH AND YEAR WIS STATION 107 (37.26N/ 122.41W TO 37.11N/ 122.31W)

HONTH

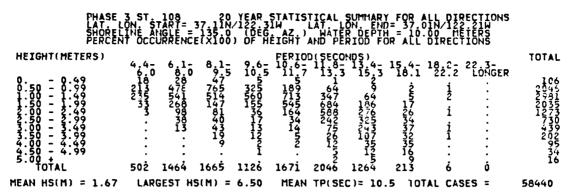
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67899123456789912345 R678991234567899912345 E999999999999999999999999999999999999	500191790599900000099	9-1899-0947-1948-05-1-05-87-1	89044899-154090090-184	m-mainaramodeoeoedde	สภามาการกระทำ สายสายการกระทำ สายการกระทำ	พละเลงการการการการการการการการการการการการการก	สวนการสาราชานารของการเรา	47.797.440049.047.647.0419.000.000	79195877729125178874	77747578941861916487	5,605,99,405,562,167,067,98	หมานารงชอนกับเกิดอน จัดจอนาย หมานารงชอนกับเกิดอน จัดจอนาย

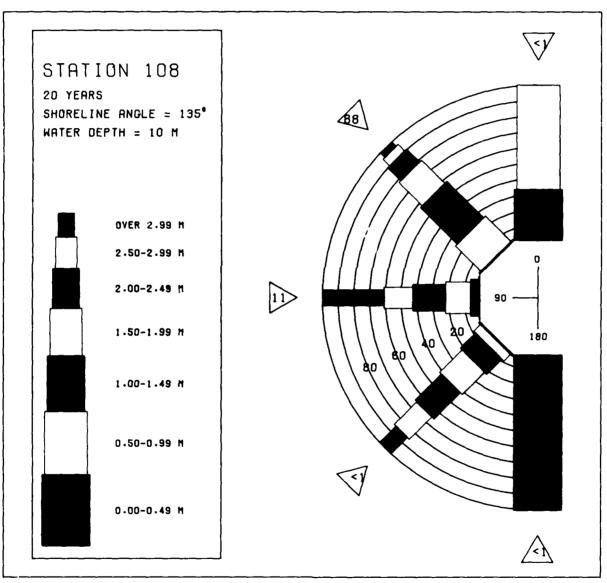
20 YR. STATISTICS FOR PACIFIC STATION107 (37.26N/ 122.41W TO 37.11N/ 122.31W)

MEAN SIGNIFICANT HAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	10.8 60.0
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES) STANDARD DEVIATION OF WAVE IS (SECONDS)	60.0 1.0
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS (METERS)	1.0 2.6 7.1 16.7 7524 57022406
AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	57022406

PHASE HAVE SHORE PERCE	3 ST 108 APPROACH A LON. START LINE ANGLE "T OCCURRE	NGLE(REL) = 37.11N = 135.0 NCE(X100	EAR WA TIVE T 122.31 (DEG.	VE DIR O SHOR L N AZ IEÎGHT	ECTION ELINE I AT. LON HATER AND PER	STATI N DEG END DEPTH 100 B	STICAL REES)= 37.0 Y DÎRÊ	SUMMA 10 10 10 10 10 10 10 10 10 10 10 10 10	RY - 14.9 †ERS	
HEIGHT(METERS)	4,4~ 6 6.0 8	1- 8,1- .0 9.5	9.6- 10.5	PERIOD	(SECOND 113.3	5) 3.4-	15.4- 18.1	18.2-	22.3- LÖNGER	TOTAL
0:50 ~ 0.99	180 8	.0 9.5 : :	10.5	11.7	13.3	15.3	18.1	22.2	LONGER	18
99999999999999999999999999999999999999	•	:		:	:	:	:	:	:	Ŏ
2.50 - 2.99 3.00 - 3.49		: :	:	:	:	:	:	:	:	ŏ
4.50 - 4.99	•	:	:	:	:	:	:	:	•	180000000000000000000000000000000000000
5.00 + TOTAL	18	å å	ó	Ó	Ó	ò	ó	Ò	Ġ	Ŏ
MEAN HS(M) = 0.19	LARGEST	HS(M) =	0.29	MEAN	TP(SEC)	= 5	.0 NU	MBER O	F CASES =	= 11
	3 ST 108 APPROACH A LON. START LINE ANGLE NT OCCURRE	NGLE(REL) = 37:11N = 135:0 NCE(X1000							RY -21W †ERS	
HEIGHT (METERS)	4,4- 6,	1 ₀ 8 ₀ 1 ₅	9.6- 10.5	PERIOD	(SECOND 11.8-1	5) 3:4-	15,4-	18,2-	22.3- LONGER	TOTAL
0.50 - 1.499 1.500 - 1.499 1.500 - 1.499 2.500 - 1.499 2.500 - 1.499 2.500 - 4.99 2.500 - 4.99 2.500 - 4.99 2.500 - 4.99 2.500 - 1.500 1.500 -	4.4-0 6.80 2575 2623 34458 212665 1584	1- 8,1-5 50 37 319 50 266 78	:	:	:	:	:	:	:	404 6004
1:50 - 1:55	145 158	7 ² 78 7 3	:	:	:	:	:	:	:	6004 6901 1809 150
2.50 ~ 2.99 3.00 ~ 3.49 3.50 ~ 3.99	:	5 . • •	•	:	:	•	:	•	:	500
4.0) - 4.49 4.50 - 4.99 5.00 -	•		•	:	:	:	:	:	:	Ŏ
TOTAL	4680 997		Ġ	Ġ	Ö TOVOFO\	ò	Ö	ė		
MEAN HS(M) = 1.10	LARGEST	HS(M) =	2.71	HEAN	TP(SEC)	- 0	.6 NU	שאמנא טו	F CASES =	8977
PHASE HAYE LAYE SHORE PERCE	3 ST 108 APPROACH A LON. START LINE ANGLE NT OCCURRE	NGLE(REL) = 37.11N = 27.3500 NCE(X1000	(EAR WA TIVE TI 122.31 (DEG.	VE DIR O SHOR W L AZ) IEÎGHT	ECTION ELINE I AT LON MATER AND PER	STATI N DEG END DEPTH IOD B	STICAL REES)= = 37.0 Y DÎRÉ	SUMMA 45.0 1N/122 00 ME CTION	RY 74.9 14 74.9 74.9	
PHASE WAVE LAT SHORE PERCE HEIGHT(METERS)			(EAR WA TIVE T 122.31 (DEG) OF H	VE DIR O SHOR W L AZ) EIGHT PERIOD 10.6-	ECTION ELINE IL LON HATER AND PER	STATI N DEG DEPTH DEPTH IOD B				TOTAL
HEIGHT(METERS)			(EAR WATER TO THE PROPERTY OF	VE DIR NAZ) HEIGHT PERIOD 10.6- 11.7	ECTION ELINE I AT. LON MATER AND PER (SECOND 11.8-1 13.3 641	STATIGOTH N DENTH DEPTH 100 B 1505	15.4- 18.1	18.2- 22.2	RY 74.9 214 1ERS 22.3- LONGER	440
HEIGHT(METERS)			(EARVE 31 122.56 10.6-5 10.6-5 32.500 15.6-5 15.16	PER 100 100 100 100 100 100 100 100 100 100	ECTION ELINE II AT LON WATER (SECOND 11.8.3 14.5 14.5 14.75 14.75 14.75 14.75 14.75 14.75	ST DEEPT -3 -3-5254654 -3-525454 -3-525454	15.4- 18.1	18.2- 22.2		
HEIGHT(METERS) - 0.49 0.50 - 0.49 1.50 - 1.49 2.50 - 2.49 2.50 - 2.49 2.50 - 2.49			(ATT 20 - 5 ATT 20 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 -	PES 16 - 7 181377226	ELT AT PER LA LA LA LA LA LA LA LA LA LA LA LA LA	TEDHB TEDHB TEDHB TEPD 4.0575669 SX .01 551 687724	15.4- 18.1	18.2- 22.2 11 23 6		440
HEIGHT(METERS) - 0.49 0.50 - 0.49 1.50 - 1.49 2.50 - 2.49 2.50 - 2.49 2.50 - 2.49			EAT 20 6 6 5 9 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	PEO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ON IN INC. 1 1 1 1 2 3 2 1 1 1 1 2 3 2 1 1 2 3 2 1 1 2 3 2 1 2 3 2 1 2 3 2 3	150HB -3 150HB -3 150HB -3 15094655669226	15.4- 18.1	18.2- 22.2		91424557 647158157 14281677168 14281677168
HEIGHT(METERS) - 0.49 0.50 - 0.49 1.50 - 1.49 2.50 - 2.49 2.50 - 2.49 2.50 - 2.49	4.6.0 1207773		91 26660 91 26663 91 26613 91 27613 91	PER 16 - 7 1 15990 7 1 15990 7 1 15990 7 1 15990 7 1 15990 7 1 15990 7 1 15990 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 1 12321 11 147422367 6484597129 64868372	-3 -4 -05356692266 -5294655064031		18.2- 22.2 11 23 6		440
HEIGHT (METERS) 0.499 0.500 - 0.499 0.500 - 0.000 0.000 - 0.000 0.000 - 0.000 0.000 - 0.000 0.000 - 0.000 0.000 - 0.000 0.000 - 0.000 0.000 - 0.000 0.000 - 0.000 0.000 - 0.000 0.000 - 0.000 0.000 - 0.000 0.000 - 0.000 0.000 - 0.000 0.000 - 0.000 0.000 - 0.000 0.000 - 0.000 0.000 - 0.000 0.000 - 0.000 0.000 -	4.4- 6 6 7 120 120 120 120 120 120 120 120 120 120	1- 8-1- 8 441 6 7323 1331 1331 1331 1351	9.6.5 3.25560 3.556006 3.56533 3.77 2.11 3.10911 1	PER 10D 10-7 1899072226751 1899072226751 28	SECOND 1 11 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	-3 -3 -4-053566922693 -5294655064039 -3115669722693	15.8 -7.7.7.3.89.1.4.09.1 15.8 -7.7.7.3.89.1.4.09.1 15.8 -7.7.7.3.89.1.4.09.1	18.2-2 12.2 i 13.683035 ·		667142 64715245 1197177 1197177 16976 213
HEIGHT (METERS) 0.49 0.50 - 0.49 1.500 - 1.249 2.500 - 2.49 2.500 - 3.49 2.500 - 4.49 5.00 - 4.49 5.00 - 4.49 5.00 - 4.49 5.00 - 4.49 FOR ALL MEAN HS(M) = 1.73 PHASE HAVE LATURE FERCE	4.4- 6 6 7 120 120 120 120 120 120 120 120 120 120	1- 8.1- 8 91- 8 7323 6 7323 6 4861 1358 7 207 1 15 	10.55 32.560 15.560 15.77 11 3 10.911 6.26	PER 100-7 10	(11 647457127 6 1 2 2 6 4 5 5 2 7 2 6 6 5 5 2 7 2 6 6 7 5 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	-3 -3 -3 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	15.4-1 2.777389 12777489 12777389 12777489 12777389 12777389 12777389 12777389 12777389 12777389 12777389 12777389 12777389 12777389 12777389 12777389 12777389 12777389 12777389 12777389 1277738 1277748 1277748 1277748 1277748 1277748 1277748 1277748 1277748 1277748 1277748 12777	18.2- 22.2 113 103 103 79	22.3- LÖNGER : : : : : : : : : :	6671 1477524 18971554 1677157 1677157 1677157 18976 138
HEIGHT (METERS) 0. 49 0.50 - 0.49 1.500 - 1.29 1.500 - 3.49 1.500 - 3.49 1.500 - 3.49 1.500 - 4.49 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.73 PHASE WAYE SHORE FERCE HEIGHT (METERS)	4.4-0 6 8 1207 7 1207 7 100 100 100 100 100 100 100 100 100	1- 8.1- 6 7323 6 7323 6 7323 7 225 7 225 1 358 7 207 1 15 2 14902 1 15 2 14902 1 15 2 14902 1 15 2 14902 1 15 2 14902 1 15 1 15 2 14902 1 15 1 15	10.55 32.560 15.560 15.77 11 3 10.911 6.26	PER 100-7 10	(11 647457127 6 1 2 2 6 4 5 5 2 7 2 6 6 5 5 2 7 2 6 6 7 5 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	-3 -3 -3 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	151 257:635256951 NU AL=0 AL=0 AL=0 AL=0 AL=0 AL=0 AL=0 AL=0	18.2-2-2 22.2 i 123-69-30 135 · . 79 MBER OI N/1022 1001 ME	22 3- LONGER : : : : : : : : : : : : : : : : : : :	667142 64715245 1197177 1197177 16976 213
HEIGHT (METERS) 0. 49 0.50 - 0.49 1.500 - 1.29 1.500 - 3.49 1.500 - 3.49 1.500 - 3.49 1.500 - 4.49 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.73 PHASE WAYE SHORE FERCE HEIGHT (METERS)	4.4-0 6.6 1.30 120773 102 1.53 102 1.53 102 1.64 374 1.64	1- 8.1- 6 7323 6 7323 7 2651 7 267 1 358 7 207 1 15. 2 14902 1 15. 2 1	906-5 325560 155500 15577 11 3 10911 16.26	PER 100-7 10	(11 64959127 2 6 1 2 CONDENS OF PROPERTY O	-3 -3 -3 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	151 257:335256951 NU AL=0 AL=0 AL=0 AL=0 AL=0 AL=0 AL=0 AL=0	18.2-2-2 22.2 i 123-69-30 135 · . 79 MBER OI N/1022 1001 ME	22 3- LONGER	6691 447-1524 1427-1524 1697-157-1 807-6 2138 475-41
HEIGHT (METERS) 0. 49 0.50 - 0.49 1.500 - 1.29 1.500 - 3.49 1.500 - 3.49 1.500 - 3.49 1.500 - 4.49 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.73 PHASE WAYE SHORE FERCE HEIGHT (METERS)	4.4-0 6.6 1.30 120773 102 1.53 102 1.53 102 1.64 374 1.64	1- 8.1- 6 7323 6 7323 7 2651 7 267 1 358 7 207 1 15. 2 14902 1 15. 2 1	906-5 325560 155500 15577 11 3 10911 16.26	PER 100-7 1599075266751 2 2 MEAN 100-75457026751 2 2 MEAN	(11 64889129 6 1 ECLINER ON 1 1 1 64889129 6 1 ECLINER ON 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-3 -3 -4-0575-66922693 -5-0575-66922693 -1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	151 1257-63525095 NU AL=0 .6 .757-73091440991 NU AL=0 .6 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	18.2-2-2 22.2 i 123-69-30 135 · . 79 MBER OI N/1022 1001 ME	22 3- LONGER : : : : : : : : : : : : : : : : : : :	6691 447-1524 1427-1524 1697-157-1 807-6 2138 475-41
HEIGHT (METERS) 0. 49 0.50 - 0.49 1.500 - 1.29 1.500 - 3.49 1.500 - 3.49 1.500 - 3.49 1.500 - 4.49 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.73 PHASE WAYE SHORE FERCE HEIGHT (METERS)	4.4-0 6.6 1.30 120773 102 1.53 102 1.53 102 1.64 374 1.64	1- 8.1- 6 7323 6 7323 7 2651 7 267 1 358 7 207 1 15. 2 14902 1 15. 2 1	906-5 325560 155500 15577 11 3 10911 16.26	PER 100-7 1599075266751 2 2 MEAN 100-75457026751 2 2 MEAN	(11 64889129 6 1 ECLINER ON 1 1 1 64889129 6 1 ECLINER ON 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-3 -3 -4-0575-66922693 -5-0575-66922693 -1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	151 257:635256951 NU AL=0 AL=0 AL=0 AL=0 AL=0 AL=0 AL=0 AL=0	18.2-2-2 22.2 i 123-69-30 135 · . 79 MBER OI N/1022 1001 ME	22 3- LONGER : : : : : : : : : : : : : : : : : : :	6691 447-1524 1427-1524 1697-157-1 807-6 2138 475-41
HEIGHT (METERS) 0. 49 0.50 - 0.49 1.500 - 1.29 1.500 - 3.49 1.500 - 3.49 1.500 - 3.49 1.500 - 4.49 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.73 PHASE WAYE SHORE FERCE HEIGHT (METERS)	4.4-0 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.	1- 8-1- 6 7323 6 7323 6 7323 7 223 7 223 7 207 1 15 2 14902 1 15 2 14902 1 15 2 14902 1 15 2 14902 1 15 2 14902 1 15 2 14902 1 15 1 15 2 14902 1 15 1 15 1 15 1 15 2 14902 1 15 1 15	10.55 32.560 15.560 15.77 11 3 10.911 6.26	PER 100-7 1599075266751 2 2 MEAN 100-75457026751 2 2 MEAN	(11 64889129 6 1 ECLINER ON 1 1 1 64889129 6 1 ECLINER ON 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-3 -3 -4-0575-66922693 -5-0575-66922693 -1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	151 1257-63525095 NU AL=0 .6 .757-73091440991 NU AL=0 .6 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	18.2-2-2 22.2 i 123-69-30 135 · . 79 MBER OI N/1022 1001 ME	22 3- LONGER : : : : : : : : : : : : : : : : : : :	667-15-70-68-21-16-77-168-21-168-21-16-77-168-21-168-21-16-77-168-21-1
HEIGHT (METERS) 0.499 0.0499 0.0499 0.0499 0.0500 - 0.0499 0.0500 - 34.999 0.0500 - 34.999 0.0500 - 44.999 0.0500 - 44.999 0.0500 - 44.999 0.0500 - 0.0499	4.4-0 6.0 1207733	1-0 8-1-5 1-0 1-326-1-8 1-326	9106.00 1055551330771 3 i 1 1055551330771 3 i 1 1055551330771 3 i 1 105551330771 3 i 1 10555130771 3 i 1 10555771 3 i 1 10555771 3 i 1 10555771 3 i 1 1055771 3 i 1	PEO 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(11 647457127 6 1 2 2 6 4 5 5 2 7 2 6 6 5 5 2 7 2 6 6 7 5 6 7 5 6 7 6 7 6 7 6 7 6 7 6 7 6	-3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -	151 12377771 NU L=0 E	18.2-2-2 22.1 22.6 30.0 13.5 7.9 18.7 18.7 18.7 18.7 18.7 18.7 18.7 18.7	22 3- LONGER : : : : : : : : : : : : : : : : : : :	91424557068 6471591757068 447159776821 42819776821 475919776821 475919776821 475919776821 475919776821 475919776821 475919776821

PHASE WAVE LAT SHOREL PERCEN	3 ST 108 PPROACH ANG ON. STARTE INE ANGLE = T OCCURRENC	20 YEAT LE(RELATI 37.11N/12 135.0 E(X1000)	R WAVE DIE VE TO SHOP 2.31W DEG. AZ.) DE HEIGHT	RECTION : RELINE II LAT. LON WATER (AND PER	STATISTIC N DEGREES DEPTH = LOD BY D	AL SUMMA 5)= 105.0 7.01N/122 10.00 ME IRECTION	RY - 134.9 121W TERS	
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8;1- 9 9.5 1	PERIOD 6- 10.6- 0.5 11.7	11.8- 1	§) 3.4- 15.4 15.3 18.	1 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	35 10 422 25 27 66 1 87	1 <u>i</u> 17 25	: : 3 :	:	•	•		07678627701
0.50 - 0.49 0.50 - 1.49 1.500 - 1.29 2.500 - 2.349 3.500 - 3.49 3.500 - 4.49 4.500 - 4.99 5.00 + TOTAL	. 39	•	1 i i i i i i i i i i i i i i i i i i i	:			:	57 37 0
MEAN HS(M) = 2.58		189 ; S(M) = 5.		TP(SEC)	-	NUMBER O	U F CASES =	336
	3 ST. 108 PPROACH ANG DN. START= INE ANGLE = T OCCURRENC	LE(RELATI 37.11N/12 135.0 ((CAL SUMMA 5)= 135.0 7.010/122 10.00 ME TRECTION	RY - 164.9 - 21M TERS	
HEIGHT(METERS)	4,4- 6,10	8.1- 9 9.5 1	PERIO 6- 10.6- 0.5 11.7	13.3	§) 3.4- 15.4 15.3 18.	1 22.2	22.3- LONGER	TOTAL
0.50 - 0.49 1.50 - 1.49 1.50 - 1.49 2.50 - 2.49 3.50 - 3.49 3.50 - 3.49 4.50 - 4.99 5.00 + 4.99 TOTAL MEAN HS(M) = 0.98	3 : i :		6 6		ō c			30320000000
MEAN HS(M) = 0.98	LARGEST H	S(M) = 1.	79 MEAN	TP(SEC)	= 5.2	NUMBER O	F CASES =	6
PHASE HAVE ALL SHORE LA PERCENT	3 ST 108 PPROÀCH ANG DN. STARTE INE ANGLE = IN DCCURRENC	20 YEA LE(RELATI 37.11N/12 135.0 E(X1000)					RY - 180.0 1285	
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8,1- 9 9.5 1	PERIOD 6- 10 6- 0.5 11.7	(SECOND	§) 3.4- 15.4 15.3 18.	18,2-	22.3- LONGER	TOTAL
- 0 499 - 499 - 1 2 499 - 1 2 499 - 2 2 3 4 4 99 - 2 2 3 4 4 4 99 - 2 2 3 4 4 4 4 4 4 99 - 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4								00000000000
TOTAL MEAN HS(M) = 0.	Å Å	Ó S(M) ≈ 0.	Ö Ö MEAN	Ó TP(SEC)	ó (NUMBER O	Ö F CASES =	0
								-





WIS STATION 108 (37.11N/ 122.31W TO 37.01N/ 122.21W)

HTHOM

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	4904408M9775N24-174067	ANTHORY CONTRACTOR OF THE CONT	120011011001111100000000000000000000000	57267455875562096903	7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	THE THE THE THE THE THE THE THE THE THE	99099699400920102472	19999708190808912319	82038911191499028306	25262578558858256454	1.8 2.4	8215249596572158424979	N56776567766678867885 MILITALITALITALITALITACITA MILITALITALITALITALITACITA
MEAN	2.4	2.5	2.0	1.7	1.3	1.2	1.1	1.0	1.0	1.4	1.9	2.4	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 108 (37.11N/ 122.31W TO 37.01N/ 122.21W)

MONTH

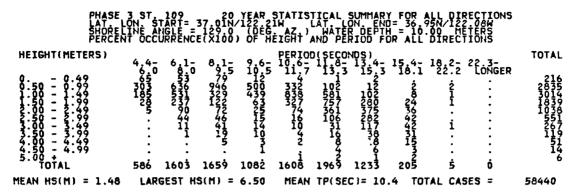
	JAN	FEB	MAR	APR	MAY	אטנ	JUL	AUG	SEP	OCT	ИОЛ	DEC
R67890123456789012345 E5555666666669077775 111111111111111111111111111111111	97800097756670706755 7744550554444444466	4645151946997-1214911-488	จะกรณฑรากณฑราการราการก	89247469997456848449	0781898000711110000000000000000000000000	209860624580-19800922	5.0585256277427769229	74676165146693689918	87581597860249706273	87.604157.68mm68977798777	627-1922m247-89-177-99-65	70089169501955521466 24455545454546445545

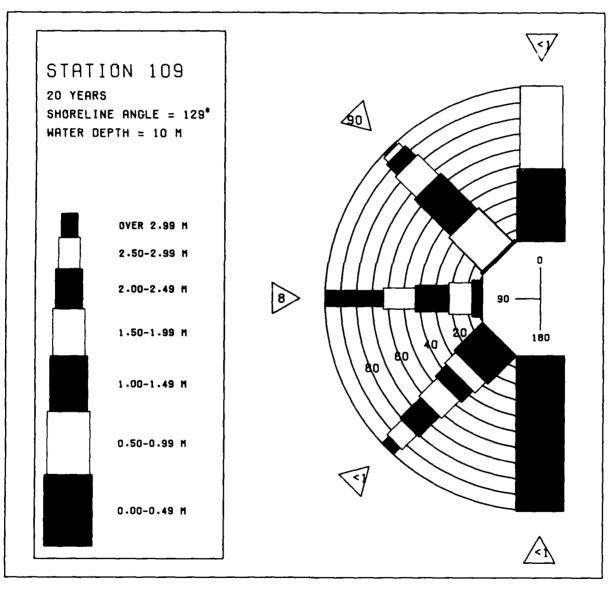
20 YR. STATISTICS FOR PACIFIC STATION108 (37.11N/ 122.31W TO 37.01N/ 122.21W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	1.7
MEAN PEAK WAVE PERIOD (SECONDS) MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	10.5
	60.0
STANDARD DEVIATION OF WAVE HS (NETERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	3.3
	6.5
LARGEST WAVE HS (METERS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONOS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	14.3
AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	80.4
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	74011609

PHASE HAYE SHORE HAYE SHORE HAYE SHORE HEIGHT (METERS) 0. 499 1. 499 1. 499 1. 499 1. 499 1. 500 - 1. 499 1. 500 - 1. 499 1. 500 - 1. 499 1. 500 - 1. 499 1. 500 - 1. 499 1. 500 - 1. 499 1. 500 - 1. 499 1. 500 - 1. 499 1. 500 - 1. 499 1. 500 - 1. 499 1. 500 - 1. 499 1. 500 - 1. 500 1.	APPROACH ANGLE START STA	8 j1- 9 6- 9 5 10.5 : : : : : : : : : : : : . : :	PERIODI SECON 11.7 13.3	ND\$) 13.4 15.4- 15.3 18.1 		75 00 00 00 00 00 00 00 00 00 00 00 00 00
PHASE WAVE SHORE SHORE HEIGHT (METERS) - 0.499 - 0.99 - 0.99 - 1.99	3 ST 10 9 MANGLE 10 9 MANGLE 10 10 10 10 10 10 10 10 10 10 10 10 10	8 1 - 9 6 - 1 7 5 10.5 17		NDS) 13.4- 15.4- 15.3 18.1 	L SUMMARY 44.9 95N/122.08W 00 METERS ECTION 18.2- 22.3- 22.2 LONGER	TOTAL 1177 98886 1192 00 00
PHASE WAVE LATE LATE LATE LATE LATE LATE LATE LAT	205 2344 1	6 - 415,4704566 911091884 91109582 1 - 5 - 4 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6	PERIOD (SECON 10.6-113.3 11.7 13.3 3246 10.24 3258 75.01 604 10.47 170 10.47 22 162 11	15.4-15.4-1 15.3-18.3-1 10.23-2.4-19.4-1 10.23-2.4-19.4-19.4-1 10.23-2.4-19.4-19.4-1 10.23-2.4-19.4-19.4-1 10.23-2.4-19.4-19.4-1 10.23-2.4-19.4-19.4-1 10.23-2.4-19.4-19.4-1 10.23-2.4-19.4-19.4-19.4-19.4-19.4-19.4-19.4-19	L SUMMARY = 45.0 0 084 45.0 0 084 45.0 0 084 45.0 0 084 45.0 084 45.0 0 084 4	TO 853795282837628284232
PHASE HAYE LATTREE HAYE LATTREE HAYE LATTREE PERCE! HEIGHT (METERS) C. 9991-1949999999999999999999999999999999	3 ST 10 9 NG 3 NG 10 STARTE 3 NT OCCURRENCE 4.4-0 6.1-0 3.5 8.7 12.246 135 846 LARGEST HS	8 9 1 5 9 6 - 5 6 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5	PERIODI SECON 11:7 12:50 18:50	15.4- 15.4- 15.3 16.1 		TOTAL 134137440997 1565

PHASE Waye A Lat Shorel Percen	3 ST 109 PPROÁCH ÁNG ON START= INÉ ÁNGLE = T OCCURRENC	20 YEA LE(RELATI 37.01N/12 129.0 E(X1000)	R WAVE DIE VE TO SHOP 2 21W DEG. AZ.) DE HEIGHT	RECTION : RELINE II LAT. LON WATER I AND PER	STATISTICA N DEGREES) END= 36 DEPTH = 10 IOD BY DIR	L SUMMAR = 105 0 950/122 00 MET ECTION	Y - 134.9 08W ERS	
HEIGHT(METERS) 0.50 - 0.49 0.50 - 1.49 0.50 - 2.49 0.50 - 2.49 0.50 - 3.99 0.50 - 3.99 0.50 - 4.99 0.50 - 4.99 0.50 - 4.99 0.50 - 4.99 0.50 - 4.99 0.50 - 4.99 0.50 - 4.99 0.50 - 4.99 0.50 - 4.99 0.50 - 4.99 0.50 - 4.99	4 - 07 - 60 - 1 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOR 10.5 11.7 : :	CSECOND 113.3	5) 3.4- 15.4- 15.3 18.1	18.2- 2 22.2 :	PONGER : : : :	TOTAL 32605050505050505050505050505050505050505
4:30 - 4:44 4:50 - 4:99 5:00 - 4:99 TOTAL MEAN HS(M) = 2:14		118	3 1 : : 7 i 27 mean		: :	: å UMBER OF	: ò CASES =	25 0 0 339
PHASE HAYE A SHOREN SHOREN	3 ST 109 PPROÁCH ANG ON START= INE ANGLE = T OCCURRENC	LE(20 YEA LE(RELATI 37.01N/12 12.000 (1	R WAVE DIF VE TO SHOP 2.21W 1 DEG METGHT	RECTION : RELINE II LAT LON AND TERP	STATISTICA N DEGREES) SEND= 36. SEPTH = 10	L SUMMAR 135.0 950/122 00 MET ECTION	Y - 164.9 080 ERS	
HEIGHT(METERS)	4,4-0 6.1- 6.30 8.0		PERIOR 6.5 11.7				2 3- LONGER :	TOTAL 53
0.4999999999999999999999999999999999999	53 0					ò		00000000
MEAN HS(M) = 0.07	LARGEST H			TP(SEC)		UMBER OF		31
HAYE A SHOREL PERCEN HEIGHT(METERS)	3 ST. 109 PPROACH ANG ON. START= INE ANGLE TOCCURRENC							TOTAL
99999999999999999999999999999999999999	4.4- 6.1- 6.0 8.0	8,1- 9 9.5 10	0.5 111.7	13.3	5) 15.3 15.4- 15.3 16.1	22.2	ี่ CONGER	000000000
5:00 - 4:79 TOTAL MEAN HS(M) = 0.	Ö Ö LARGEST H	Ö S(M) = 0.	Ö Ö MEAN	Å TP(SEC)		ó Ú UMBER OF	Ó CASES =	8





WIS STATION 109 (37.01N/ 122.21W TO 36.95N/ 122.08W) MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R5555666666666777777 E9999999999999999	27722764044209804755	999460007790715780791	48872978877609288409	71777777777777777777777777777777777777	אוריים איניים br>אוריים איניים	21010101011110111111111111	87988788289819091320	100000000110000000111110	01010001101100010100	חורות היים היים היים היים היים היים היים היי	7-1-1-10-10-10-10-10-10-10-10-10-10-10-10	692977774224077192647	N3465,7445544456645665 Erichteleicherteleichertel M
MEAN	2.2	2.2	1.8	1.5	1.2	1.1	0.9	0.9	0.9	1.2	1.7	2.2	

LARGEST HS(METERS) BY MONTH AND YEAR WIS STATION 109 (37.01N/ 122.21W TO 36.95N/ 122.08W)

HTHOM

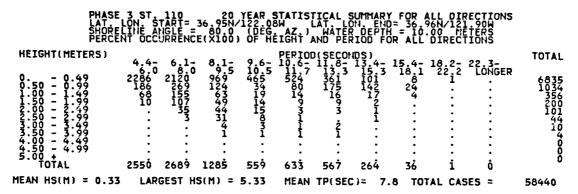
	JAN	FEB	MAR	APR	MAY	אטע	JUL	AUG	SEP	OCT	NOA	DEC
Y1111111111111111111111111111111111111	nmanaanunaaaaannnaan	องมุงขนางการการจากรองขอม งารการการการการการการการการการการการการกา	Mandander de de la company de	4578500000000000000000000000000000000000	85,60687045,000095-1455	98764848280686869694	17-17-14-14-14-14-14-14-14-14-14-14-14-14-14-	1045404409450000000000000000000000000000	197489796461779261774042	7-6017-8-17-17-1900-1-4-15-15-168กาก ขณะขณะประกาณขณะประชาการ	พ. พ. พ. พ. พ. พ. พ. พ. พ. พ. พ. พ. พ. พ	เกิดอุกาสเกากอเกเกาสสสกา

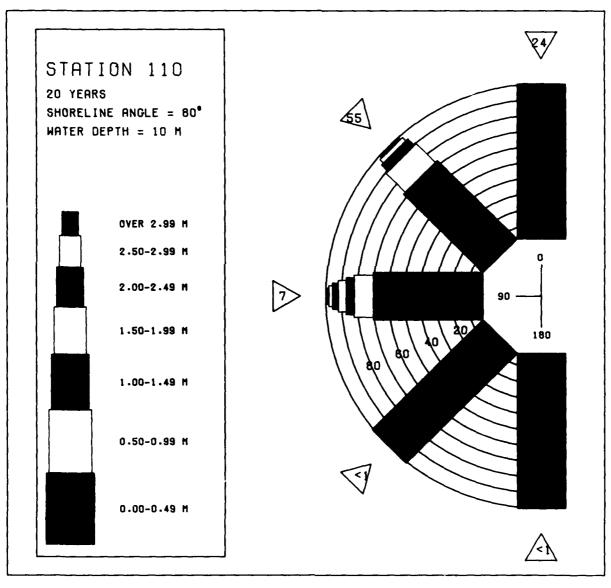
20 YR. STATISTICS FOR PACIFIC STATION109 (37.01N/ 122.21W TO 36.95N/ 122.08W)

MEAN SIGNIFICANT WAVE HEIGHT
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND : (DECPLES) 60.0 STANDARD REVIATION OF HAVE HE
STANDARD DEVIATION OF WAVE HS (METERS) 0.8
STANDARD DEVIATION OF HAVE TO (DELETE)
LARGEST WAVE HS 1
LÀRGEST WÀVE HS 6.5 WAVE TP ASSOCIATED WITH LÀRGEST WAVE HS (SECONDS) 14.3
ÄVERAGE DĪRĒCTĪON ASSOCIĀTED WITH LĀRGĒST WAVE HS (DĒGRĒĒS) 78.0
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS OBTE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR) 74011609

PHASE HAYE SHORE HAYE SHORE HEIGHT (METERS) 0.50 - 0.49 1.500 - 1.29 1.500 - 1.29 2.500 - 3.49 2.500 - 3.49 3.500 - 3.49 4.50 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 6.00 - 6.00 - 6.00 6.00 - 6.00 - 6.0	4,4- 6,1 9214 8.		AVE DIRECTION TO SHORELINE (BW	105) 13.4- 15.4- 15.3 16.1 : : : : : : : : : : : . : . : . : . :	SUMMARY 6N/121.90W 00 METERS CTION 18.2- 22.3- 22.2 LONGER	7214 9214 00 00 00 00 00 00 00 00 00
PHASE WAYE LATTER PHASE LATTER PHASE LATTER PHASE PHAS	4.4- 6.1 8738 20853 566 2270 142 56 	8.1- 9.6- 9.5 1208 1035 111	: : : : : : : : : : : : : : : : : : :	VDS 1 15.4- 15.3 16.1 	SUMMARY 15.0 - 44.9 16.0 - 44.	TOTAL 49455 38727 600000
PHASE WAYE SHORE PERCE HEIGHT (METERS) 0.50 - 0.49 1.50 - 1.99 2.500 - 1.99 2.500 - 3.49 2.500 - 4.99 3.500 - 4.99 4.50 - 4.99 5.00 + TOTAL MEAN HS(M) = 0.73	4.4- 6.1 946 111 848 385 102 959 6 342 		6369 5709	(DS) 13:4-15:4- 10:8 18:4- 10:8 244 17:6 46 18 . 18 . 18 . 18 . 18 . 18 . 2677 380	SUMMARY 74.9 60/121 90W 00 METERS CCTION 18.2- 22.3- 22.2 LONGER 10 16 6	TOTAL 145124 26394 26394 10467 1056
PHASE WAYE LATE SHORE SH	4.4- 6.1 6.0 3964 239 446 42 47 58 . 15 			NOS) 13:4- 15:3 15:4- 15:3 16:1 15:4- 15:4	SUMMARY 75.0 - 104.9 6N/121 90W 00 METERS CTION 18.2- 22.3- 22.2 LONGER 	42069 1176 335 121 0

PHASE WAVE A LAT SHOREL PERCEN	3 ST 110 PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	20 YEA LE(RELATI 36.95N/12 80.0 E(X1000)	R WAVE DIR VE TO SHOR 2.08W L DEG. AZ.) OF HEIGHT	RECTION ST RELINE IN LAT. LON. WATER DE AND PERIO	TATISTICAL DEGREES)= END= 36.9 EPIH = 10.	SUMMARY 105.0 - 6N/121.90 00 METER CTION	134.9 5
HEIGHT (METERS) - 0.49 0.50 - 1.99 1.500 - 2.99 2.500 - 2.99 3.500 - 3.49 4.500 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99	4.4- 6.1- 6.0 8.0	8.1- 9 9.5 1	0.5 10.67 0.5 11.7	15ECONDS 13.3 15	343 15 47 5.3 18.1	18.2- 22. 22.2 Lo	TOTAL 3- NGER
3.50 - 3.49 3.50 - 4.49 4.50 - 4.99 5.00 + TOTAL MEAN HS(M) = 0.	: : ò ò Largest H	: : 0 s(m) = 0.	: : : : 0 0 MEAN	: ; ; tp(sec) =	: : : : : : : 0. NU	: ; o : MBER OF C	0
PHASE WAVE A LAT. L SHOKEL PERCEN HEIGHT(METERS)	3 ST 110 PPROACH ANG ON. STARTS INE ANGLE = T OCCURRENC						TOTAL
- 0.999 - 0.999 - 0.1999 - 112233499 - 505000 - 34499 - 3499 - 34	46.0 6.0 6.0 8.0	8,1- 9 9,5 1	7.6-5 10.6-5 0.5 11.7	11.8- 13 13.3 19	34- 15.4- 3-3 18.1	18 2- 22 Loi	NGER 000000000000000000000000000000000000
MEAN HS(M) = 0.		0 S(M) = 0.		O TP(SEC) :		MBER OF C	O ASES = O
HEIGHT(METERS)	3 ST. 110 PPROACH ANG CN. START = INE ANGLE = T OCCURRENCE 4.4 - 6.1			RELINE IN LON. WATER DI AND PERIO DISECONDS 11.8-13			TOTAL NGER
0.499 0.999 0.1999 1.9499 1.9499 1.9500					· · · · · · · · · · · · · · · · · · ·		000000000000000000000000000000000000000





WIS STATION 110 (36.95N/ 122.08W TO 36.96N/ 121.90W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R55555666666789012345 R9999999999999999999	96909875689080764007	6740750323737370635947	35734666445653453576	99999999999999999999999999999999999999	0.000000000000000000000000000000000000	00000000000000000000000000000000000000	2122111112112121213333	2111111212112112112112112	מסססססססססססססססססססססססססססססססססססס	######################################	23524746585443866843 000000000000000000000	3-65-584-84-077772-077-6862	MGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
MEAN	0.8	0.7	0.5	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.7	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 110 (36.95N/ 122.08W TO 36.96N/ 121.90W)

MONTH

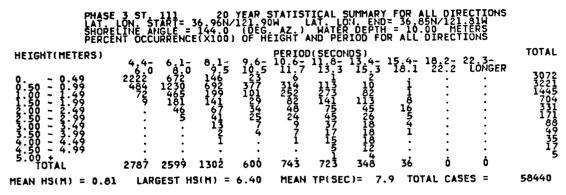
	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	<u> ชุดาดรณาณาของเอยาดรากาณ</u>	781777700004117870057	73270009268070881298	1-201-102-120-120-10-10-10-10-10-10-10-10-10-10-10-10-10	753569111274667666776	54542447775565456656	P0000000000000000000000000000000000000	nnn44n4464447nn446n6n	404nn4444444444innn4	90m6m6092042m0270m0m	57865448401247294588	940かんのアフスカののカウフスののへの

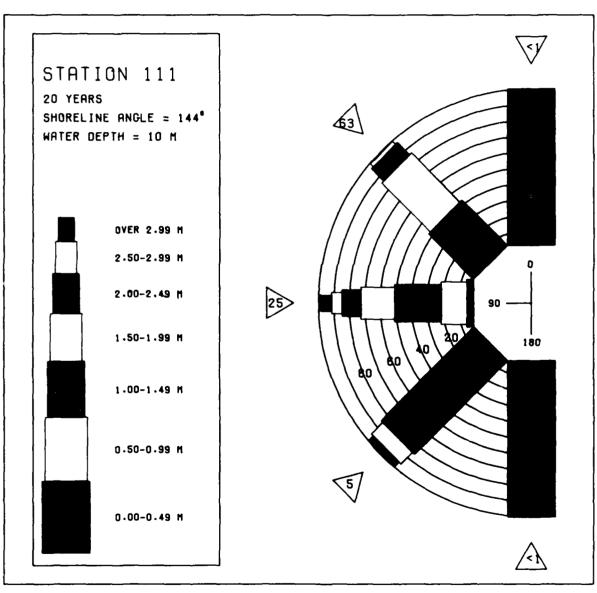
20 YR. STATISTICS FOR PACIFIC STATION:10 (36.95N/ 122.38W TO 36.96N/ 121.90W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	0.3
MEAN PEAK WAVE PERIOD (SECONDS) MOST_FREQUENT 30.0 DEGRÉE (CENTER) DIRECTION BAND (DEGRÉES)	7.8 30.0
STANDARD DEVIATION OF WAVE HS (NETERS)	Ŏ.\$
(ADCCOT UNDE US	5.3
LARGEST MAYE HS (METERS) MAYE TP ASSOCIATED HITH LARGEST WAYE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED HITH LARGEST WAYE HS (DEGREES)	11.1
WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	59021609

PHASE LATION SHOPE CONTROL OF THE CO	APPROACH AN LON. STARTE ELINE ANGLE ELINE ANGLE ENT OCCURRENTE STARTE ST	891- 90 9.5 10 	PERIOD 6-5 10.6-	(SECONDS) 113.3 15.3 13.3 15.3 	15.4- 18.2 18.1 22.3 		TOTAL
PHAVE LATOR PHAVE	### ST 111 11 11 11 11 11 11		PERIOD(10.6-1 5 11.7	SECONDS) 1:8-13:4- 13:3 15:3 : : : : : : : : : : : : : : : : : : :	15.4- 18.2- 18.1 22.2 : : : : : : : : : : : : : : : : : : :	10RY 108144.9 118144.9 122.3- 120NGER 100 100 100 100 100 100 100 100 100 10	TOTAL 5201 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0.5050 - 13.2.3.5500 - 13.2.3.5500 - 13.2.3.5500 - 13.2.3.5500 - 13.2.3.5500 - 13.2.3.5500 - 13.2.5500	16759 22453 :	8 9 1 6 9 6 9 6 9 6 9 6 9 6 9 7 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	PERIOD (1016-71) 1016-71 1016-	SECONDS) 135-57 136-3 1205-682 136-6 1662 1717-1718-682 1717-1718-682 1717-1718-682 1717-1718-682 1717-1718-682 1717-1718-682 1717-1718-682 1717-1718-682 1717-1718-682 1718-6	STICAL SUMM REES) = 16.85N/12 = 16.85N/12 = 16.85N/12 = 16.85N/12 = 16.85N/12 = 16.85N/12 = 18.2- = 18.3- = 18.2- = 18.2- = 18.3- = 18.2- = 18.3- = 18.2- = 18.3- = 18	22 3- LONGER	TOTAL 20857044 20867044 20867044 20867044 20867044 2086704 208
PHASE WAYE SHORE PERCEING PERC	APPROACH ANGLE = NT OCCURRENCE 4.4- 6.1- 503 63 260 780 63 93	20 LAT 21 : E (.960) OF 8 9 : 6 : 421 256 : 441	PERIOD (5 11 . 7 1	SECONDS 1	15.4- 18.2- 18.1 22.2 		707AL 5730 105500 105602 10560

PHASE WAYE ATOREI PERCEN	3 ST. 111 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC	20 YE 16 (RELAT 36,26N/1 E(X1000)				SUMMARY 105.0 - 134.9 N/121.81W 0 METERS TION	•
2:00 - 3:499 3:00 - 4:99 3:00 - 4:99 3:00 - 4:99	4.4- 6.1- 3853 318 622 1833 213 215 	30 6 : 231	: : 15 i 8 : 1 . : : 24 2		å	8.2- 22.3- 22.2 LONGER 	TOTAL 41728883 283382 13382 600
	LARGEST H 3 ST. 111 APPROACH ANG LON. START= LINE ANGLE = TOCCURRENC			TP(SEC) = RECTION STATELINE IN DIAT. LON. E WATER DEF AND PERIOD		SUMMARY 135.0 - 164.9 N/121.81N 0 METERS	
HEIGHT (METERS) - 0.49 0.500 - 1.49 0.500 - 2.49 0.500 - 3.49 0.500 - 3.49 0.500 - 4.99 0.500 - 5.000 - 4.99 0.500 - 6.000 -	4.4- 6.1- 6.0 8.0 	8 9 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD 7.6-10.6- 10.5 11.7 	0(SECONDS) 11.8-13.4 13.3 15.	15.4- 1 3 18.1	8.2- 22.3- 22.2 LÖNGER : : : : : : : : : : : . : . : . : . :	TOTAL
	3 ST. 111 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC	20 YE LE(RELAT 36.96N/1 E(X1000)	AR WAVE DIR IVE TO SHOR 21 90W DEG AZ) OF HEIGHT	RECTION STA RELINE IN E AT LON E MATER DEF AND PERIOD	TISTICAL DEGREES)= ND= 36.85 TH = 10.00	SUMMARY 165.0 - 180.0 N/121.81W 0 METERS TION	
00-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	4,4- 6,1- 6.0 8.0 	8,1- 9,5 : : :	70.5 10.6- 10.5 11.7 	1138- 13.5 15.	7 15.4- 1 3 18.1	8.22 22.35 22.2 LONGER 	00000000000





WIS STATION 111 (36.96N/ 121.90W TO 36.85N/ 121.81W)

						MONT	Н						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E5555666666666777777 E55959999999999999999	00674524564854720547	03037379750895888492	922799009892279252	87069761905069909908	89687877966677888028	756655471966777689887	54-654-4458-6657-67-689-98 00000000000000000000000	000000000000000000000000000000000000000	5730455655656465764 000000000000000000000	70486529775866565778	00001001110010111100	2-1094832007468325497	M 0000001100011000110001100011000110001
MEAN	1.4	1.3	1.1	0.8	0.8	0.7	0.6	0.6	0.5	0.7	0.9	1.3	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 111 (36.96N/ 121.90W TO 36.85N/ 121.81W)

HTHOM

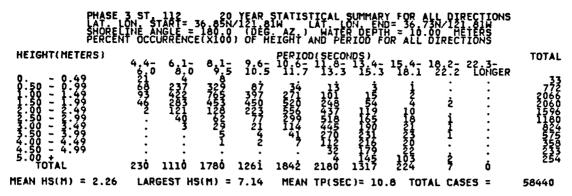
	MAL	FEB	MAR	APR	MAY	אטר	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 E955566666666777777 E999999999999999999999	95776998475970774544 75776998475970774544	76445755775077507740779	000472001200770485660	82148887-2558814-88874	41004576414576888997	7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	089088881720970014875	18912811781259926564	12067311415377351452	85189675000998670741	71197547514701617579	M826909766654708178689

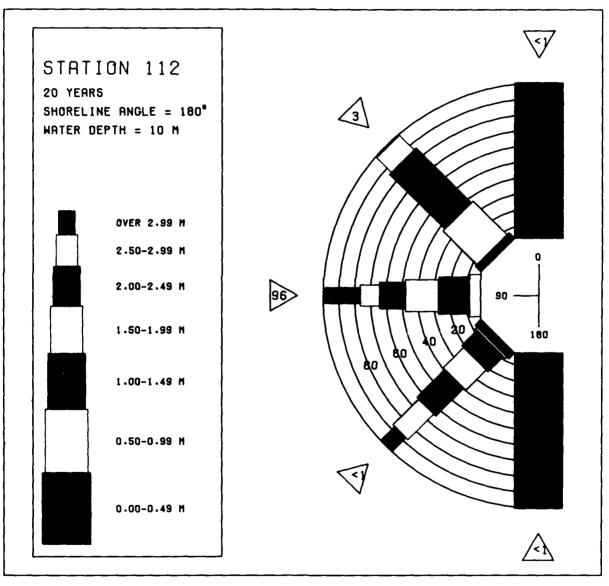
20 YR. STATISTICS FOR PACIFIC STATION111 (36.96N/ 121.90W TO 36.85N/ 121.81W)

MEAN SIGNIFICANT HAVE HEIGHT	9.8
MOST EDECLIENT IN A DECDEE (CENTED) DIDECTION DAND (DECDEES)	60.0
LARGEST WAVE HS (METERS)	0.8 2.8 6.4
MAYE TP ASSOCIATED WITH LARGEST WAYE AS (SECONDS) AVERAGE DIRECTION ASSOCIATED HITH LARGEST WAYE AS (DEGREES)	14.3 84.1

PHASE WAVE LAT SHORE PERCE	3 ST 112 APPROACH AN LON. START= LINE ANGLE NT OCCURREN	36.85N/121 36.85N/121 180.0 (DI	HAVE DIR TO SHOR BIN BIN HEIGHT	ECTION S ELINE IN AT. LON. WATER D AND PERI	TATISTICA DEGREES END= 36. EPTH = 10 OD BY DIR	AL SUMMAR 0 0 0 73N/121 0 00 ME RECTION	RY 	
HEIGHT(METERS)	4,4- 6,1 6.0 8.) 4- 15.4- 5.3 18.1		22.3- LONGER	TOTAL
99999999999999999999999999999999999999				: : : : : : :		: : : : : : :		00000000000
MEAN HS(M) = 0.	LARGEST	1S(M) = 0.	MEAN	TP(SEC)	= 0. 1	IUMBER OI	CASES =	0
PHASE WAYE LAT SHOPE SHOPE PERCE HEIGHT(METERS)	APPROACH AND APPROACH AND LON. START= LINE ANGLE NT OCCURREN							TOTAL
0 0.49	4:4- 6:1 6:0 6:	0 891- 90°	5 11.7	113.3 1) 4- 15.4- 5.3 18.1	22.2	LONGER	0
	· · · · · · · · · · · · · · · · · · ·					: : : : :	: : : : :	0000000000
MEAN HS(M) = 0.	LARGEST	HS(M) = 0.	MEAN	TP(SEC)	= 0. 1	IUMBER OI	CASES =	0
PHASE WAYE LAT: SHORE PERCE	3 ST 112 APPROACH AN LON. START= LINE ANGLE NT OCCURREN	GLE(RELATIVI 36.85N/121 180.0 (DI CE(X1000)						
HEIGHT(METERS)			PERTOD					TOTAL
HEIGHT(METERS)	3 ST . 112 APPROACH AN ELINE AT INC. A		PERIOD 5 10 6- 5 11.7		TATISTICA DEGREES END= 36 END=			24544173 245481201
HEIGHT (METERS) - 0.499 - 0.499 - 0.499 - 1.209 - 1.2	4.4- 6.1 1833 15833 6476 15833 400 22333 3 3275 	8 1- 9.1 1 18 5 1 134 5 1 134 5 3050 75 571 62 90 30 . 55 	PERIOD 10.7 17.6 26.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2	(SECONDS 3 1 1 1 2 2 3 7 2 2 3 7 2 2 3 7 2 9 8 1 · · 4) 4- 15.4.1 5.3 18.1 10 8 3 24 0	18,2- 18,2- 1	22 3- LÖNGER	513273914400 24548621 3861
HEIGHT (METERS) - 0.49 0.50 - 0.49 1.500 - 2.49 2.500 - 2.49 2.500 - 2.49 2.500 - 2.49 2.500 - 2.49 2.500 - 2.49 2.500 - 2.49 2.500 - 2.49 2.500 - 4.99 5.00 + 4.99 6.00 + 4.	4.4- 6.1 1833 15833 6476 15833 400 22333 3 3275 	8 1 - 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PER 100 7 1 1 7 9 2 6 6 6 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(SECONDS 3 1 2 2 3 7 2 9 8 1 2 2 3 7 2 9 8 1 2 4 5 8 1 9 4 CONDITION ON ON ON THE PROPERTY OF	1 4- 15 4-1 5.3 18-1 10 10 10 10 10 24 10 EGRE = 36 10 EGRE = 36 10 EGRE = 36 10 EGRE = 36 10 EGRE = 36 10 EGRE = 36 10 EGRE = 36 10 EGRE = 36 11 EGRE = 36 12 EGRE = 36 13 EGRE = 36 14 EGRE = 36 15 EGRE = 36 16 EGRE = 36 17 EGRE = 36 18 EGRE =	1822 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22.3- LÖNGER 	246441327391400 2464412203 1 2 5 5 3
HEIGHT (METERS) 0.50 - 0.49 0.50 - 1.49 1.500 - 2.49 2.500 - 2.49 2.500 - 3.49 4.500 - 4.99 5.000 - 4.99 7.01AL MEAN HS(M) = 1.47	4.4-0 6.1 1.836 1.52039375.5.1 1.836 1.52039375.5.1 2.136 1.52039375.5.1 2.137 72.82 2.137	8 1 - 9 0 1 5 10 1 134 30 3050 755 90 30 5 90 30 6 911 210 HS(M) = 4.3 GLE(RELATIVI 3180.00 10 GLE(X1000) 0	PEO 1 126444183 22 A N I RRL 1 126444183 22 A N I RRL 2 126444183 22 A N I RRL 2 12644183 22 A N I RRL 2 12657676767676767676767676767676767676767	(SECONDS 3 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.5.1.0.1.0.1.0.0.1.0.0.0.0.0.0.0.0.0.0	18222 2222 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.3- LÖNGER 	14644114003 5 5 A 116803451545 5 146441755545 1 17111

PHASE ALLAT. LLAT.	ST. 112 PROJECT ANGUA DN. STARTE INE ANGUERENCE 4.4-6:0 8:0 4.5-6:0 8:0 15-56 11-6:0 56 11-6:0 56 11-	20 YEAR WE RELATIVE STATE OF S	PERIOD(S 10.6-11 11.7 15 23 17 10	SECONDS) 13.3 15.3 	15.4- 18.2- 18.1 22.3 		75 76 1173 1570 1101 330 101
PHASE WAYE ALL ATT. LL PERCENT HEIGHT (METERS) 0.50 - 0.49 1.50 - 1.49 2.500 - 2.49 2.500 - 2.49 2.500 - 2.49 3.500 - 4.99 3.500 - 4.99 4.50 - 4.99 5.00 + 4.99 TOTAL MEAN HS(M) = 0.11	PPROACH ANGLONE STARTE TO OCCURRENCE 4.4- 6.1- 6.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8	20 YEAR W E(RELATIVE 16.695N/121.8 180.00) OF 8.1- 9.6- 9.5 10.5 	PERIOD(\$ 10.67 1) 11.7 1	5ECONDS) 13.3 15.3 	STICAL SUMM REES)= 135, 136,73N/16 13 1073N/16 15 4- 18.2- 18.1 22.3 18.1 22.3 18.1 22.3 18.1 24.4 18.1 br>18.4 18.4 18.4 18.4 18.4 18.4 1	22.3- 2 LÖNGER 	TOTAL 8000000000000000000000000000000000000
PHASE A LATE AND A LAT	PPROACH ANGENT STARTS INE ANGENTE 4.4- 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	8 1- 9 6 5 9 5 10 5	PERIOD(S 10.6-1) 11.7	SECCNDS) 13.3 15.3 	15.4- 18.2-1 18.1 22.2 		TOTAL





WIS STATION 112 (36.85N/ 121.81W TO 36.73N/ 121.81W)

	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	9-69-ถุการสาราชาการเกลาเก	DOT-48MO-6809-M-1847-2-1-10	*:7:157-87-680-67-20027-86497	のからからなっていないとうかしのからないないと	080080466084588800168	21-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	201911-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	ה-מנונים של היים היים של היים היים היים היים היים היים היים היי	2007-104550000000000000000000000000000000000	697017971102101700011111100	ณา/^69ภม98มภ/478ม6894 พมณนนณฑณณณฑณณณฑณณณ	Number of the second se	RONNING CONTRACTOR CON
MEAN	3.2	3.3	2.8	2.4	1.8	1.6	1.4	1.3	1.4	2.0	2.8	3.3	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 112 (36.85N/ 121.81W TO 36.73N/ 121.81W)

MONTH

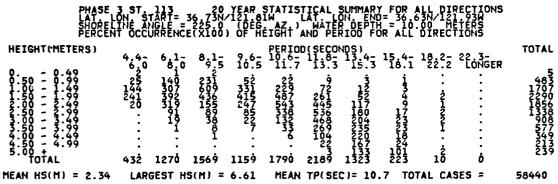
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	54656645645545666665	7-1040367906000000000000000000000000000000000	งงารสายสายสายสายสายสายสายสายสายสายสายสายสายส	8784911911780-1711897-010	งครอยสาราช 4150 ชาวายงายงายงายงายงายงายงายงายงายงายงายงายงา	かいいいいいいいかかいいいいいいいいいい	อก4407012-10804ก-1700 ขณามาการแกรงการเการ์	มากราย 400 60 ขามากอาย 415เก	างน่างออจเกลกองเกตกองเกตการเก	070700700004504777045	7-10-17-09-78-07-81-4-4-00-6-7-10-17-09-78-9-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8	75859-6609-8008-6000060 8555-45065-665-666665

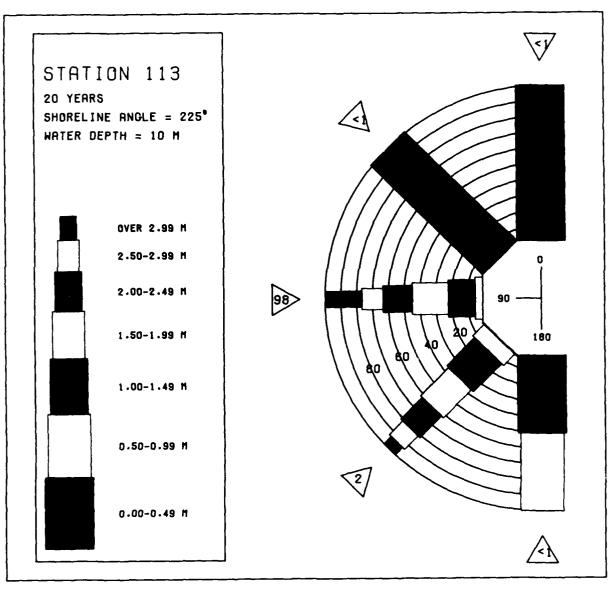
20 YR. STATISTICS FOR PACIFIC STATION112 (36.85N/ 121.81W TO 36.73N/ 121.81W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2.3
MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECONDS)	10.B
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND : : DEGREES	90.0
MEAN PEAK WAYE PERIOD (SECONDS) MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND . (DEGREES) STANDARD DEVIATION OF WAYE HS (SECONDS) STANDARD DEVIATION OF WAYE TP (SECONDS)	Ŷ·투
LARGEST WAVE HS	5:3
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS OCCURRENCE IS (YR, MO, DA, HR)	16.7
AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	82.7
DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	57022418

PHASE WAYE LAT SHORE PERCE	APPROACH AN LON. START= LINE ANGLE NT OCCURREN	GLE(RELAT 36.73N/1 = 2250	AR HAVE TVE TO 21 81W (DEG HET	DIRECTION SHORELINE LAT LO Z.) WATER	STATIS IN DEGR IN END= DEPTH	TICAL SUM EES)= 0 36.63H/1 = 10.00	MARY 21 93W14.9 METERS	
HEIGHT(METERS)						5.4- 18.2 18.1 22.		TOTAL
0.50 ~ 0.49 0.50 ~ 0.99	4,4~ 6,1 6.0 8.	ō 8915	10.5	7 13.3	15.3	16.1 Zż.	22.3- 2 LONGER	8
99999999999999999999999999999999999999			•		:		:	ŏ
2.50 - 2.99 3.50 - 3.49 3.50 - 3.99		:	:	: :	:	: :	:	Ŏ
4 60 - 4 49 4 50 - 4 99 5 00 +			:	: :	:		:	ŏ
0.500	Ö Ö LADGEST	Ö HS(M) = 0	. Ö 1. MI	ÖÖÖ EAN TP(SEC	() = 0.	Ö Ö	Ö OF CASES =	= 0
712A1 110(717 = 0.	EAROLOT	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,	- THE SEC	., - 0.	HOHOER	OI CASES -	_
PHASE WAVE	3 ST 113	GLE (PELAT	AR HAVE	DIRECTION	STATIS	TICAL SUM	MARY .0 - 44.9	
LAT SHORE PERCE	APPROACH AN LON. START= LINE ANGLE NT OCCURREN	36.73N/1 = 225.0 CE(X1000)	ŽI BIŬ (DEG. AZ OF HEI	LAT. LO LAT. LO HATER HT AND PE	N. END: DEPTH RIOD BY	36.63N71 = 10.00 Digectio	ŽÍ 93H METERS	
HEIGHT(METERS)						5.4- 18.2 18.1 22.		TOTAL
0. 0.50 - 0.49	4.4- 6.1 6.0 8.	0 8,15	10.5	7 13.3	15.3	18.1 7227	2 TONGER	8
0.50 - 0.49 1.50 - 1.49 1.50 - 2.49			•		:		:	Ŏ
2.50 - 2.99 3.60 - 3.49 3.50 - 3.99		•			:		:	Ŏ
00000000000000000000000000000000000000		:	:	: :	:	: :	:	ŏ
TOTAL MEAN HS(M) = 0.	Ö Ö LARGEST	Ö HS(M) = 0	Ö I. MI	ÖÖÖ EAN TP(SEC	ó :) = 0.	Ó Ó NIMBER	Ó OF CASES =	= 0
						110110211	J. TAULU	•
PHASE WAVE	3 ST 113	GLE(RELAT	AR HAVE	DIRECTION SHORELINE	STATIS IN DEGR	TICAL SUMI EES)= 45	MARY .0 - 74.9	
PHASE WAYE LAT. SHORE PERCE	3 ST 113 APPROACH AN LON START= LINE ANGLE NT OCCURREN	GLE(RELAT 36.73N/1 = 2250 CE(X1000)	AP WAVE IVE TO 21.81W (DEG. AZ OF HEIO	DIRECTION SHORELINE LAT LO WATER SHT AND PE	STATIS IN DEGR IN END= DEPTH RIOD BY	TICAL SUM EES)= 45 36.63N/1; = 0000 DIRECTION	MARY 74.9 193W 11 FERS	
PHASE WAYE LAT SHORE PERCE HEIGHT(METERS)	APPROACH AN LON. STARTE LINE ANGLE NT OCCURREN 4.4- 6.1							TOTAL
HEIGHT(METERS)						TICAL SUM EES)= 45 = 36.63N/1 = 01RECTION 5.4- 18.2 18.1 22.		TOTAL
HEIGHT(METERS)								TOTAL
HEIGHT(METERS)								TOTAL 3000000000000000000000000000000000000
HEIGHT(METERS)								TOTAL 3000000000000000000000000000000000000
HEIGHT (METERS) - 0.499	4,4- 6,1 3 6,1 	ō 8915 : : : : : : :	9.6- 101 10.5 11	RIOD(SECON 6.7 13.3	05) 13.4- 1 15.3	5.4- 18.2: 18.1 22: 	2 2 3- 2 LONGER : : : : : : : :	3000000000
HEIGHT(METERS)	4,4- 6,1 3 6,1 	ō 8915 : : : : : : :	9.6- 101 10.5 11	RIOD(SECON 6.7 13.3	05) 13.4- 1 15.3	5.4- 18.2: 18.1 22: 		3000000000
HEIGHT (METERS) 0.50 - 0.499 1.500 - 1.249 2.500 - 2.349 2.500 - 3.499 2.500 - 3.499 2.500 - 4.499	4,4- 6 8	0 0 1.5	9.6- 10.5 10.5 11. 	\$\frac{100{\text{\tiny{\text{\tiny{\text{\tin}\text{\tett{\text{\tetx{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\texi}\text{\text{\text{\texi}\text{\text{\texicr{\text{\texicl{\texicr{\text{\texi}\tex{\text{\text{\texi{\text{\texi}\texicr{\texiclex{\texit{\t	(1) \$\frac{1}{15.3} 1 \\ \frac{1}{15.3} 1 \\ \	18.2.1 18.1 22.1 18.1 22.1	223- 2 LONGER : : : : : : : : : : : : : : : : : : :	3000000000
HEIGHT (METERS) 0.50 - 0.499 1.500 - 1.249 2.500 - 2.349 2.500 - 3.499 2.500 - 3.499 2.500 - 4.499	4,4- 6 8	0 0 1.5	9.6- 10.5 10.5 11. 	\$\frac{100{\text{\tin}\text{\tett{\text{\tetx{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\texi}\text{\text{\text{\texi}\text{\text{\texi}\text{\texicr{\text{\texi}\text{\texi}\tint{\text{\texi}\text{\texi}\text{\texit{\texi}\text{\texi}	(1) \$\frac{1}{15.3} 1 \\ \frac{1}{15.3} 1 \\ \	18.2.1 18.1 22.1 18.1 22.1	223- 2 LONGER : : : : : : : : : : : : : : : : : : :	3000000000
HEIGHT (METERS) 0 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 2	4.4- 6.1 6.30 6. 	0 915 	9.6. PEF 10.5 11	DIRECTION CAN THE SEC	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 4- 18 2: 18 1 22: 18 1 22: 18 1 22: 18 2: 18	223- 2 LONGER 	3000000000
HEIGHT (METERS) 0 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 2	4.4- 6.1 6.30 6. 	0 915 	0 AR WAVE STORY HE TO STORY HE	DIRECTION SHORELINE SHORE SECON SHORE SECO	0 5. 1 15.3 0 5. 1 15.3 0 5. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	54- 18.2. 6 0 0 1 NUMBER TICAL SUMM EES)= 75- 36.630/1 DIRECTION 54- 18.2.	223- 2 LONGER 	30000000000000000000000000000000000000
HEIGHT (METERS) 0 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 2	4.4- 6.1 6.30 6. 	0 915 	0 AR WAVE STORY HE TO STORY HE	DIRECTION SHORELINE SHORE SECON SHORE SECO	0 5. 1 15.3 0 5. 1 15.3 0 5. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	54- 18.2. 6 0 0 1 NUMBER TICAL SUMM EES)= 75- 36.630/1 DIRECTION 54- 18.2.	223- 2 LONGER 	30000000000000000000000000000000000000
HEIGHT (METERS) 0 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 2	4.4- 6.1 6.30 6. 	0 915 	0 AR WAVE STORY HE TO STORY HE	DIRECTION SHORELINE SHORE SECON SHORE SECO	0 5. 1 15.3 0 5. 1 15.3 0 5. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	54- 18.2. 6 0 0 1 NUMBER TICAL SUMM EES)= 75- 36.630/1 DIRECTION 54- 18.2.	223- 2 LONGER 	30000000000000000000000000000000000000
HEIGHT (METERS) 0 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 99 2	4-0 6 1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 1.5 0 2 YAY 0 ENOUGH 1 5 1.5 2.751 0 0 0 1 5 1.5 2.751 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9.6.5 MI 9.6.5 MI 9.6.5 MATON AT 1 1021501111111111111111111111111111111	DIRECTION SHORELINE SHORE SECON SHORE SECO	0 5. 1 15.3 0 5. 1 15.3 0 5. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	54- 18.2. 6 0 0 1 NUMBER TICAL SUMM EES)= 75- 36.630/1 DIRECTION 54- 18.2.	2 2 3- 2 LONGER 3 0 0 CASES =	30000000000000000000000000000000000000
HEIGHT (METERS) 0.49 0.50 - 0.49 1.500 - 1.949 1.500 - 1.949 1.500 - 4.99 1.500 -	4,4- 6 1 6 3 6	0 915 	0	DIRECTION SHORELINE SHORE SECON SHORE SECO	1	0 0 1 NUMBER TIES 0 0 1 182 2 1 0 0 0 1 NUMBER TES 0 0 0 1 182 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	223- 2 LONGER 	TO 34051-0051-0051-0051-0051-0051-0051-0051-

PHASE HAYE AL SHOREL PERCEN	3 ST 113 PPROACH AN ON. START= INE ANGLE TOCCURREN	GLE(RELA 36.73N/ = 2250 CE(X1000								
HEIGHT(METERS)	4,4- 6,1	- 8,1 ₋	9.6- 10.5	PERIOD 10,65	13.3	(§) (3 <u>.</u> 4-)	15,4- 1	18,2- 2	2.3-	TOTAL
0:50 - 0:49 0:50 - 0:99	4.4- 6.1 6.0 8. 56 3552 130 553	1.5 9.873.691551 8 9149741551				15.3	10.1	:	LUNGER	1106
- 0.49 0.59 1.500 - 1.49 1.500 - 1.22 2.550 - 22	10 566 577 130 5877 130 5877 777	893 576	\$9.660 M51 925091 453	349 621 814	68 311 481	39 68	•	:	•	2397 2606 2731
2.50 - 2.99 3.00 - 3.49	. 297 . 77	111 65	90 13	354 148	645 415	140	i 3	:	:	1638 857
2:50 - 2:49 4:50 - 4:99	: :	13	ì	791448815 442154 36831	-0811155551 61841051 36642	980689505 1110215 63	:	:	:	125
0.50 - 0.49 1.500 - 1.49 1.500 - 1.29 2.500 - 2.49 3.500 - 3.49 4.500 - 4.49 5.00 - 4.49 5.00 - 4.49 TOTAL MEAN HS(M) = 2.02	292 2277	2475	1495	2347	2395	635	4	ò	ò	10
MEAN HS(M) = 2.02	LARGEST	HS(M) =	5.54	MEAN	TP(SEC	= 10	.0 NUI	1BER OF	CASES =	6981
PHASE.	3_SI113.	c. e. 29. Y	EAR_W	YE DIE	rection.	ITATE.	ŖŢĮÇĄĹ	ŞŲMMĀR	Y	
TAYE (1 SHOREL PERCEN	ST. 113 PPROACH AN ON. STARTS INE ANGLE TOCCURREN	36.73N7 = 225.00 CE(X1000							14 - 164.9 - 93W ERS	
HEIGHT(METERS)	4,4- 6,1 6.0 8,	- 8 ₉ 1-	9,6-	PERIOD	13.3)§) [3:4-]	L5,47]	18,2- 2	2 3- LONGER	TOTAL
0.50 - 0.49 0.50 - 0.49 1.50 - 1.49	4,4- 6,1 3 22 10 30 1 17	25 25	:		:	:	:	:	:	7 50
1:50 - 1:99	10 39	3	:	:	:	:	:	:	:	21
2.50 - 2.99 3.60 - 3.49		•	:	•	•	:	•	•	•	Š
4:00 - 4:49 4:50 - 4:99		:		:	:	:	:	:	:	ŏ
0.50 - 0.49 0.50 - 1.499 1.500 - 1.22.499 2.550 - 2.3.499 2.550 - 3.499 2.550 - 4.499 5.00 + 4.99 5.00 + 4.99 5.00 + 4.99 5.00 + 4.99 5.00 + 4.99 5.00 + 4.99	14 75	40	Ó	ò	ò	Ò	ċ	Ġ	ò	0
MEAN HS(M) = 1.14	LARGEST	HS(M) =	2.14	MEAN	TP(SEC	3 = 7	.3 NUI	1BER OF	CASES =	79
			·= • = • • • •							
PHASE A WAYE L SHOREL PERCEN	3 ST. 113 PPROÀCH AN ON. START= INE ANGLE T OCCURREN	GLE(REL) 36.73N = 22500 CE(X1000	TÎVE 121.8 (DEG.	O SHOR WAZ KEÎGHT	ELINE AT LOI AND PER	STATI IN DEGI DEPTH SIOD B	TICAL EES)= = 36.6; = 10.0 Y DIRE	SUMMAR 165.0 3N/121. 10 ME1	180.0 93W ERS	
HEIGHT(METERS)	4,4- 6,1 6.0 8.	ō 8 ₉ 1 ₋ 5	9.6- 10.5	PERIOD	113.3)§ ; [3,4- :	L5.4- 1	18,2- 2	2.3- LÖNGER	TOTAL
0.50 - 0.49 1.50 - 1.49	6.0 8.	0 9.5	10.5	11.7	13.3	15.3	18.1	22.2	LONGER	8
0.50 - 0.99 1.00 - 1.49 1.50 - 1.99		:	:	:	÷	:	:	:	:	ŏ
11122334499 111223344999 1112233449999999999999999999999999999999	:	:	:	:	:	:	:	:	:	0000000000
3:50 - 3:99 4:00 - 4:49		:	•	•	•	•	•	•	:	Ŏ
4.50 - 4.99 5.00 + TOTAL		ė	ò	ò	ò	ó	ó	ö	Ó	ŏ
MEAN HS(M) = 0.	LARGEST	HS(M) =	0.	MEAN	TP(SEC)	= 0	. NUI	MBER OF	CASES =	0





WIS STATION 113 (36.73N/ 121.81W TO 36.63N/ 121.93W)

MONTH

	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC	
Y1111111111111111111111111111111111111	7-68ณ7-49-50กณะ4-4เกียงเก	9944728899191998472020	47589779178202796588	ユダーチャーカウァシのトゥカーウカのロロ	997007788307800001389	28695740718589700316	4555470574705000000000	7444496979150151566960	7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	798781758197246906021	20000000000000000000000000000000000000	4.14ณ000-เลเมกราสาย 4.10.0000	Z-1014 4 CICIONAININAINA 004 4 BUIH Economica Contractor Contracto
MEAN	3.1	3.2	2.8	2.5	2.0	1.8	1.6	1.5	1.5	2.1	2.8	3.3	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 113 (36.73N/ 121.81W TO 36.63N/ 121.93W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	N40500450455545000000000000000000000000	74041022000000001299	คอบอองพอออจจอองเงอ จะกระทรายกรายกระทวง	95541599999956121-mon	MPC-48MP-97-8004-4-MPG-10-01-0-4-4	ทุกของกายงานการการการการการการการการการการการการการก	นางเกาะเกาะการการการการการการการการการการการการการก	จะบานการแกะบานการการการการการการการการการการการการการก	ชนากอง คอเกซ คลเกเก จะงนากงเก เกา	จะเล่นสายเปลาสายเปลาสายเปลา	9499499499449974	67878610550086001061 75554456556665666655

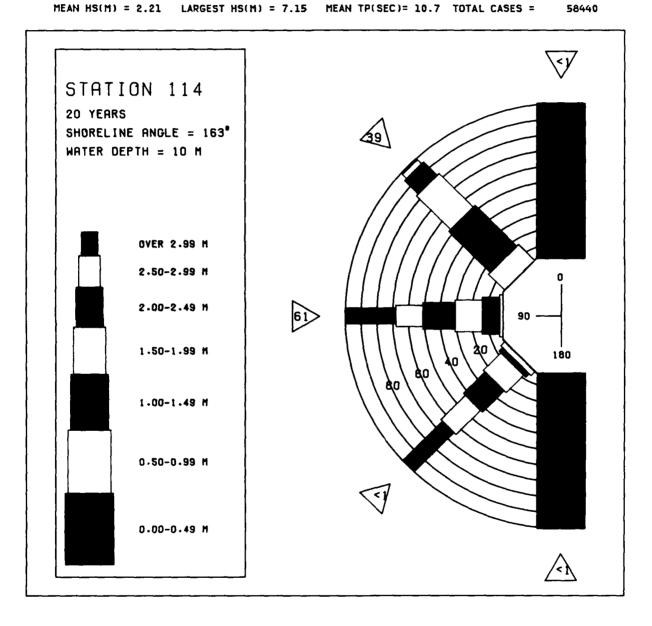
20 YR. STATISTICS FOR PACIFIC STATION113 (36.73N/ 121.81W TO 36.63N/ 121.93W)

MEAN SIGNIFICANT WAVE HEIGHT MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGRÉE (CENTÉR) STANDARD DEVIATION OF WAVE HS STANDARD DEVIATION OF WAVE TP	· • • • • • • •	 (METERS)	,2.3
WEND BENV MAKE LEKIND		 (SECOUDS)	70.1
MOST FREQUENT 30.0 DEGREE (CENTER)	DIRECTION BAND	 (DEGREES)	90.0
STANDARD DEVIATION OF WAVE HS STANDARD DEVI/TION OF WAVE TP		 (METERS)	1.1
STANDARD DEVI/TION OF WAVE TP		 (SECONDS)	2.6
LARGEST WAVE HS		 IMPTERST	£1.6
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WA	VF HC	 (SECONOS)	12.2
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WA AVERAGE DIRECTION ASSOCIATED WITH DATE OF LARGEST HS OCCURRENCE IS	TADEFET WAVE ME) NECEFEE!	42.5
DATE OF LARGEST HS OCCURRENCE IS (YRTHOLDATHR 5 "	 . (DEGREES)	40303648
DAIL OF LARGES! HS OCCORRENCE IS (IKINUIUAINKI		03155900

Ph W/ Sh Pt	ASE 3 ST AVE APPROAC TON ST ORELINE AN ERCENT OCCU	114 CH ANGLI FART = 3 NGLE = JRRENCE	20 Y E (RELA 5.58N/ 163.00	EAR HA	VE DIR TO SHOR W AZ HEIGHT	ECTION ELINE AT LO WATER AND PE	STATI IN DEG IN END DEPTH RIOD B	STICAL REES)= 360	SUMMA 5N/121 00 ME CTION	RY -93W TERS	
HEIGHT(METERS		6,1- 8.0	8,1-		PERIOD 10.67					22.3- LONGER	TOTAL
99999999999999999999999999999999999999	6.U	8.u	9.5	0	ii./	13.3 : : : : :	15.3 : : : :	18.1 :	22.2 : : :	LONGER	0000000000
MEAN HS(M) = (). LARG	SEST HS	(M) = (0.	MEAN	TP(SEC) = 0	. NU	MBER O	F CASES =	0
PH L/ SI PE HEIGHT(METERS	HASE 3 ST LYE APPROAC LONE APPROAC HORELINE AP ERCENT OCCU			EAR W/ TÎVE 1 121.96 (DEG.					SUMMA 15.0 5N/121 00 ME CTION		TOTAL
99499999 99499999 1	4.4-0 4.4-0 308 308 1656	6 8 .5 2447 135 .	8,1-5 : :	9.6-5 10.5	PERIOD 10.7	13.3	13.4-	15.4- 18.1	18.2-	223- LONGER :	157474500000 157444 157444
4:50 - 4:43 4:50 - 4:99 5:00 TOTAL MEAN HS(M) = 1	: 248 0 1.43 LARO	: 1806 SEST HS	: 0 (M) = (0 2.76	Ö MEAN	: Ö TP(SEC	0) = 5	0 .9 NU	Ö MBER O	: ; ; ; ; CASES =	•
PH Will Spi	IASE 3 ST LVE APPROAC TO LON ST FORELINE AN ERCENT OCC	114 H ANGLI FART = 3 VGLE = 3 VRRENCE	20 Y RELA 6.58N2 163.00	EAR WA	VE DIR O SHOR AZ) IEIGHT	ECTION ELINE AT. LO WATER AND PE	STATI IN DEG N. END DEPTH RIOD B	STICAL REES)= = 36.4 Y DIRE	SUMMA 45.0 50/121 00 ME CTION	RY 	
HEIGHT(METERS	3)	6 1-	8.1-	9.6-		(SECON 11.8- 13.3				22.3- LÖNGER	TOTAL
00110233744 00110233744 00000000000000000000000000000000000	4,4- 6,6 15,5 59,70 41 	うΛ⁻	582 5473 65508 1259 1159 1159 1168	7895 38865 1845 1845 1845 1845 1845 1845 1845 184	10000000000000000000000000000000000000	105663237746 1056499980 12443143144	13004510752 130026452752 131114958	18.1 10 8 1 1 	: : : : :	LUNGER	95307189844 9700271898444 114421855705 11442195311
MEAN HS(M) = {		SEST HS) = 10	.5 NL	MBER O	F CASES =	46944
	143E 3 ST NYE APPROAC TONE ST TORELINE AP ERCENT OCC	114 CH ANGLI TART= 3 GLE = URRENCE	E (20) 6 (20) 6 (20) 16 (20) (X1000					STICAL REES)= = 36.4 Y DIRE	SUMMA 75.0 5N/121 00 ME CTION	RY - 104.9 930 TERS	
HEIGHT(METERS	4,4 <u>-</u> 0	6,1- 6.0	8,1 <u>-</u>		PERIOD 10.6- 11.7			15.4- 18.1	18.2- : 22.2	22.3- LÖNGER	TOTAL
99999999999999999999999999999999999999	32 10 :	1500000 · · ·	541 110 110 110 115 2	39507057761 1114632	157921595 134921595 102 172			10000000000000000000000000000000000000	.617.01.05.057 2 11 19	•	00729210369 1077843634 122211381

MEAN HS(M) = 3.14 LARGEST HS(M) = 7.15 MEAN TP(SEC) = 13.2 NUMBER OF CASES = 8549

TOTAL Color	PHASE WAVE A LATOREL PERCEN	3 ST. 114 PPROACH AN ON. START= THE ANGLE TOCCURREN	36.58N/ 36.58N/ 216300	EAR WA TÎVE T 121 96 (DEG.) OF H	VE DIR O SHOR AZ.) EÎGHT	ECTION : ELINE IN AT. LON WATER I AND PER	STATIS N DEGR EMD= DEPTH IOD BY	TICAL EES)= 36.45 = 10.45 DIREC	SUMMAR 105.0 N/121.0 NETI TION	Y - 134.9 93W ERS	
0.50 - 0.99		4,4- 6,1	8,15	9.6- 10.5	PERIOD 10.6-	(SECOND:	§1 3.4- 1 15.3	5.4- 1 16.1	8.2- 2	2.3- LÖNGER	TOTAL
MEAN HS(M) = 2.90 LARGEST HS(M) = 5.78 MEAN TP(SEC) = 8.6 NUMBER OF CASES = 434	0.500 - 1.499 1.500 - 1.499 2.500 - 2.499	: :	1 <u>0</u>	3	:	:	:			:	0 1385 158 168
PHASE 3 ST. 114 120 YEAR MAYE DIRECTION STATISTICAL SUMMARY LAT LON STATE 150 150 164.9	3:50 - 3:499 3:50 - 4:499 4:050 - 4:99	: :	1	:	11 11 46	**************************************	: : :	; ; ;		i i ò	149 143 37 5
HEIGHT (METERS) 4.4-6.1-8.1-9.6-10.6-11.8-13.4-15.4-18.2-22.3- 0.50-0.49 1.50-1.49 2.50-2.49 3.50-3.49 3.50-3.49 4.50-4.99 5.00-4.49 4.50-4.99 5.00-4.49 4.50-4.99 5.00-4.49 4.50-4.99 5.00-4.49 4.50-4.99 5.00-4.49 6.00-6.1-8.1-8.1-8.2-8.4-18.2-18.2-18.2-18.2-18.2-18.2-18.2-18.2	MEAN HS(M) = 2.90				-		= 8.	6 NUM	BER OF	CASES =	434
0.50 - 0.39 1.50 - 1.49 2.50 - 2.49 2.50 - 2.99 3.50 - 3.49 3.50 - 3.49 4.50 - 4.99 5.00 + 1.68 LARGEST HS(M) = 1.80 MEAN TP(SEC) = 5.7 NUMBER OF CASES = 5 PHASE 3 ST 114 (20 YEAR WAVE DIRECTION STATISTICAL SUMMARY HAVE APPROACH ANGLE (RELATIVE TO SHORELINE IN DEGREES) = 165.0 - 180.0 LAT. LON. STATE 36 SEN 121.96 AZ.) HATER DEPTH = 10.00 METERS PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION HEIGHT(METERS) 4.4-6.1-8.1-9.6-10.6-11.7 13.3 15.4-18.2-22.3-10.00 METERS	PHASE WAYE A LAY SHOREL PERCEN	3 ST 114 PPROACH AN ON. START= THE ANGLE IT OCCURREN	GLE(RELA 36.58N/ = 163.0 CE(X1000							Y - 164.9 93W ERS	
0.50 - 0.39 1.50 - 1.49 2.50 - 2.49 2.50 - 2.99 3.50 - 3.49 3.50 - 3.49 4.50 - 4.99 5.00 + 1.68 LARGEST HS(M) = 1.80 MEAN TP(SEC) = 5.7 NUMBER OF CASES = 5 PHASE 3 ST 114 (20 YEAR WAVE DIRECTION STATISTICAL SUMMARY HAVE APPROACH ANGLE (RELATIVE TO SHORELINE IN DEGREES) = 165.0 - 180.0 LAT. LON. STATE 36 SEN 121.96 AZ.) HATER DEPTH = 10.00 METERS PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION HEIGHT(METERS) 4.4-6.1-8.1-9.6-10.6-11.7 13.3 15.4-18.2-22.3-10.00 METERS		4,4- 6,1	8.1-	9.6- 10.5	PERIOD 10.6-	(SECOND	S) 3.4- 1 15.3	5.4- 1 18.1	8.2- 2 22.2	2 3~ LÖNGER	TOTAL
PHASE 3 ST. 114 WAVE APPROACH ANGLE RELATIVE TO SHORELINE IN DEGREES)= 165.0 - 180.0 LAT LON. START= 36.58 121.96 LAT. LON. END= 36.45 121.93 LAT. LON. SHORELINE IN DEGREES)= 165.0 - 180.0 SHORELINE ANGLE = 36.58 121.96 LAT. LON. END= 36.45 121.93 MATER DEPTH = 10.00 METERS PERCENT OCCURRENCE(X1000) OF HEIGHT AND PERIOD BY DIRECTION HEIGHT(METERS) 4.4-6.1-8.1-9.6-10.5-11.7-13.3-15.4-15.4-18.2-22.3- 4.4-6.1-8.1-9.5-10.5-11.7-13.3-15.4-15.4-18.2-22.3-	99999999999999999999999999999999999999						ò				00000000000
HEIGHT(METERS) PERIOD(SECONDS) TOTAL 6.0 8.0 9.5 10.5 10.7 13.3 15.4 15.4 18.2 22.3 LONGER	MEAN HS(M) = 1.68	LARGEST	HS(M) =	1.80	MEAN	TP(SEC)	= 5.	7 NUP	IBER OF	CASES =	: 5
HEIGHT(METERS) 4.4-6.1-8.1-9.6-10.6-11.8-15.4-15.4-18.2-22.3- 6.0 8.0 9.5 10.5 11.7 13.3 15.3 18.1 22.2 LÖNGER 0.50-0.99 1.50-1.99 2.50-2.99 2.50-2.99 2.50-2.99 2.50-3.49 2.50-3.49 2.50-3.49 2.50-3.49	PHASE WAYE LAT SHORE PERCEI	A ST 114 APPROACH AN LON. STARTE LINE ANGLE NT OCCURREN	GLE(REL) 36.58N/ = 16300 CE(X1000	(EAR M TIVE 121.96 10EG	AVE DIR TO SHOR SH SH AZ HEÎGHT	ECTION ELINE I AT LON WATER AND PER	STATIS N DEGR L END DEPTH LOD BY	TICAL REES)= 36.45 10.45	SUMMAR 165.0 50/121 10 MET	Y - 180.0 934 ERS	
0 499	HEIGHT(METERS)	4,4- 6,1	- 8,1 ₅	9.6~ 10.5	PERIOD 10,6-	(SECOND	(\$) 15.3	5.4- 1 18.1	8.2- 2	2.3- LONGER	TOTAL
4:50 - 4:99	99999999999999999999999999999999999999			•							0000000000
TOTAL 0 0 0 0 0 0 0 0 0 0		Ö Ö Largest	Ó HS(M) =	Ò O.	Ò MEAN	O TP(SEC)) = 0.	0 . NU1	0 1BER OF	O CASES =	. 0



WIS STATION 114 (36.58N/ 121.96W TO 36.45N/ 121.93W)

MONTH

	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E999996666667897777	95811739994225707803	98737-196798206262999	ณณณณาณณณณณณฑฑณณฑฑณณ การการการการการการการการการการการการการก	9792299941107802222222	78698657708568880168	07574628796467688194 244144144144144144244	77777777777777777777777777777777777777	האת היים היים היים היים היים היים היים היי	2047-1245155595946-1758	1112111221212122222222	าเก๋ 648ณฑิส อเก๋ 20 อเก๋ 24872	AGNO-17-10047-1-100097-15-0	ROUNDANDANDANDANDANDANDANDANDANDANDANDANDAN
MEAN	3.1	3.2	2.6	2.3	1.8	1.7	1.5	1.3	1.4	1.9	2.6	3.2	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 114 (36.58N/ 121.96W TO 36.45N/ 121.93W)

HTHOM

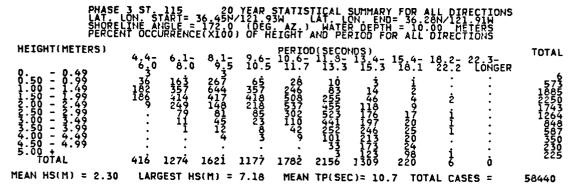
0,000,000,000,000,000,000,000,000,000,		HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1973 0.2 0.1 5.2 4.8 3.4 3.9 2.9 2.4 3.0 3.0 4.9 5.1	11111111111111111111111111111111111111	OHA-600554550070A4	7555645556456454564545454545454545454545	1の470ののようやいかないないない	46433337437740115	015847-41598 501000000000000	มนานนานการนานนานนานนาน พ.ศ. พ.ศ. พ.ศ. พ.ศ. พ.ศ. พ.ศ. พ.ศ. พ.ศ.	มาการการการการการการการการการการการการการ	47040069104001744	บางงากเกงสงงงงง	778666995N009N8N	099761457947 654754447754	ФМ40-69-69-44-60-6

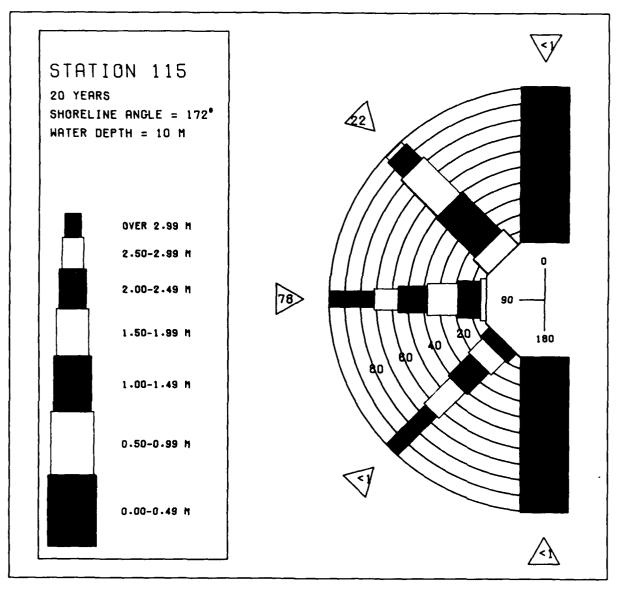
20 YR. STATISTICS FOR PACIFIC STATION114 (36.58N/ 121.96W TO 36.45N/ 121.93W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	2.2
MEAN PEAK WAVE PERIOD (SECONDS)	10.7
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES) STANDARD DEVIATION OF MAVE HS (SECONDS)	1.0
STANDARD DEVIATION OF WAVE TP (SECONDS)	2.6
STANDARD DEVIATION OF WAVE TP LARGEST WAVE TRANSPORTATION OF WAVE TP ASSOCIATED WITH LARGEST WAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES)	16:7
AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR.MO.DA.HR)	57022406

SHORE PERCEI	APPROACH AN LON. STARTE LINE ANGLE NT OCCURREN	20 YEAR GLE(RELATIVE 36.45N/121 = 172.0 (DE CE(X1000) OF	WAVE DIRECTI TO SHORELIN 93W LAT G. AZ.) WAT HEIGHT AND	ON STATISTIC E IN DEGREES LON. END= 36 ER DEPTH = 1 PERIOD BY DI	AL SUMMARY 1) = 0 - 14.9 1.28N/121.91W 0.00 METERS RECTION	
HEIGHT(METERS)	44- 61		PERTONISEC			TOTAL
0.9499999999999999999999999999999999999					7 18 2- 22 3- 1 22 2 LONGER : : : : : : : : : : : : : : : : : : :	0000000000
MEAN HS(M) = 0.	LARGEST	HS(M) = 0.	MEAN TP(S	EC) = 0.	NUMBER OF CASES	= 0
PHASE HAVE LATE SHORE PERCEN HEIGHT(METERS)		GLE(RELATIVE 36,45N/121 6,45N/121 (06 CE(X1000) OF			AL SUMMARY ()= 15:0 - 44.9 ()-28N/1:1 91W ()-00 METERS RECTION	TOTAL
- 0.499 - 0.4999 - 0.4999 - 1.4999 - 1.5000 - 3.499 - 1.5000	4,4- 6.1 6.70 6.1 142 1 616 7.8 106 3.4		PERIOD(SEC	3 15.3 18.	1 18:2- 22:3- 1 22:2 LONGER	173 1494 1490 1490 1490 1490 1490 1490 1490
TOŤAL MEAN HS(M) = 1.24	88i 113	;	Ö Ö Mean tp(s	;	Ö Ö NUMBER OF CASES	_
			WAYE DIRECTI TO SHORELIN 93W LAT G AZ) WAT HEIGHT AND PERIOD(SEC	ON STATISTIC E IN DEGREES LON. END= 36 ER DEPTH = 1 PERIOD BY DI ONDS)	AL SUMMARY 1)= 45:0 - 74.9 1.28N/1:1 91H 0.00 METERS RECTION	TOTAL
HEIGHT (METERS) 0.499999999999999999999999999999999999	4.4- 6.1 2.5- 15.93 1.5- 3.005 1.7- 2.3-2.7 . 65- . 11. 	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PER IOD (SEC - 10 i - 1 i 3 · 27 11 i 7 2 · 27 1500 42760 42760 126000 12600 12600 12600 12600 126000 12600 12600 126000 12600 12600 12600 12600 12600 12600 12600 1	ONDS) - 13 4- 15 4 - 13 16 13 16 14 11 15 124 2	AL SUMMARY 74.9 128N/121 91W 108N/121 91W 10	TOTAL 9900489770550 117052897790550 13770 21
HEIGHT (METERS) 0 - 0 - 499 1 - 0 - 499 1 - 0 - 1 - 29	4.4- 6.1 2.5- 15.93 17.5- 3.005 17.7- 685 1.1- 1.1 1.1- 1.1 3222 12052 LARGEST	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PER 10D (\$13.8	ONDS)	18 2- 22 3- 1 22.2 LONGER	900489770550 052582779577 2577652713 11052113 346 2

PHASE HAYE SHOPEL PERCEN	ST. I PROACH ON STA INE ANG OCCUR	15 ANGLE RT= 36 LE = 1 RENCE(20 Y RELA 725N/ X1000			ECTION ELINE I AT. LON WATER AND PER		TICAL EES)= 36.28 = 10.00 DIREC	SUMMAR 105.0 N/121 O MET TION	Y - 134.9 91W ERS	
HEIGHT(METERS)	4.4-	6,1- 6.0	8,1- 9.5	9.6- 10.5	PERIOD 10.6-	(SECOND 113.3	S) 3.4- 1 15.3	5.4- 1 18.1	8.2- 2: 22.2	2 3- LÖNGER	TOTAL
	38	358 358 765	50 2443 1071 23	i	25 6 17	: : : 3	:	:		:	00831490776 117534 117534
3.50 - 3.79 4.50 - 4.99 4.50 - 4.99	:	5	23 23	15000001	17 5	8		:	:	•	136 47
TOTAL		226	332	125	5 .	31	ò	Ò	ò	Ċ	6
MEAN HS(M) = 2.89	LARGE	ST HS	M) = :	5.62	MEAN	TP(SEC)	= 8.	8 NUM	BER OF	CASES =	470
PHASE ALLAYER ALLAYER LATER LATER LATER TO PERCENT	ST 1 PPROACH INE STA INE ANG T OCCUR	15 ANGLE RT= 36 LE = 1 RENCE	20 Y (RELA 725N/ 7200 X1000			ECTION ELINE I AT LON WATER AND PER				Y - 164.9 914 ERS	
HEIGHT(METERS)	4.4-	6,1- 8.0	8,1 ₋	9.6- 10.5	PERIOD	(SECOND 11.8-1 13.3	§) 3.4- 1	5,4- 1	8,2- 2	2 3- LÖNGER	TOTAL
0.50 - 0.49 0.50 - 0.49 1.500 - 1.49 2.500 - 2.49 2.500 - 2.49 3.500 - 4.99 4.500 - 4.99 5.000 - 4.99 TOTAL MEAN HS(M) = 1.67	8	3 3	9.5 : :	10.5	ii./	13.3	15.3 : : : :		22.2 · · · · · · · · · · · · · · · · · ·	CONGER	110000000
MEAN HS(M) = 1.67	LARGE	ST HS	M) =	1.93	MEAN	TP(SEC)	= 5.	8 NUM	BER OF	CASES =	8
PHASE ALLAT. LAT. SHORE LEATER PERCEN	3 ST 1 PPROACH ON STA INE ANG T OCCUR	15 ANGLE RT= 36 LE = 1	20 Y (RELA 3.45N/ 72.0 X1000			ECTION ELINE I AT LON WATER AND PER				Y - 180.0 91W ERS	
HEIGHT(METERS)	4,4-	6,1- 8.0	8,1-	9.6- 10.5	PERIOD	15ECOND 113.3	5) 3,4- 1	5.4- 1	8,2- 2	2.3- LÖNGER	TOTAL
- 0.49 - 0.49 - 0.499 - 1.500 - 1.229 - 2.500 - 3.499 - 2.500 - 3.499 - 3.500 - 4.99 - 3.500 - 4.99 - 5.000 - 4.99 - 6.000 - 6.000 - 6.000	i	: : : :					: : : : :	: : : : : :			10000000000
MEAN HS(M) = 0.04	LARGE	ST HS	.m) =	U. U4	MEAN	TP(SEC)	= 4.	> NUM	BER OF	CASES =	1





MIS STATION 115 (36.45N/ 121.93H TO 36.28N/ 121.91H) MONTH

	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	ง.อ.จ.จ.จ.จ.จ.จ.จ.จ.จ.จ.จ.จ.จ.จ.จ.จ.จ.จ.	507-4820-0850-4-847-10-10	N7-6797-680-67-707-68649-8	040mm0m000000mm0m00000m	896997677719679991878	08584730707478699205	***************************************	ดูกากการของสุดสุดสุดเกตเกง การการการการการการการการการการการการการก	2047-M5600044572048	7072807110786715896070	ณณณณณฑณณณณฑณณณฑณณณ ณณณณณฑณณณฑณณณฑณณณ	นาเมาเรา เกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะเกาะ	*************************************
MFAN	3.2	3.3	2.8	2.4	1.9	1.7	1.5	1.4	1.4	2.0	2.7	3.3	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 115 (36.45N/ 121.93W TO 36.28N/ 121.91W)

HTHOM

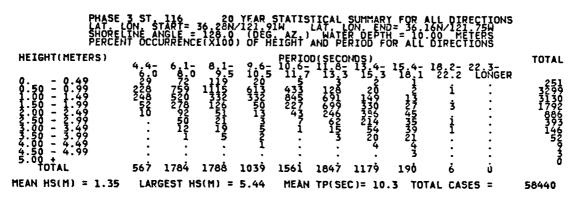
YEAR 1956 4.9 4.6 4.2 3.8 3.0 3.1 2.2 2.7 2.6 2.9 3.6	
9-186-19-18-17-18-14-18-18-18-18-18-18-18-18-18-18-18-18-18-	9475855988080866804081 95559855988668666666

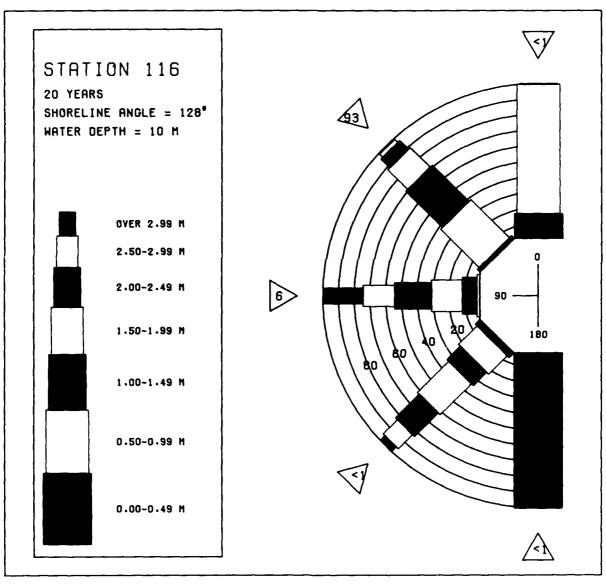
20 YR. STATISTICS FOR PACIFIC STATION115 (36.45N/ 121.93W TO 36.28N/ 121.91W)

MEAN SIGNIFICANT HAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	10.3 60.0
STANDARD DEVIATION OF WAVE HS	1.1 2.6 7.2
MAYE TP ASSOCIATED HITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS . (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR,MO,DA,HR)	16.7 80.0 57022418

WAVE LAT SHORE PERCE	3 ST 116 APPROACH ANG LON. START= LINE ANGLE = NT OCCURRENC	20 YEAR GLE(RELATIVE 36.28N/121.9 128.0 (026 E(X1000) OF	NAVE DIRECTIO TO SHORELINE PIW LAT L B AZ) WATE HEIGHT AND P	N STATISTIC IN DEGREES ON. END= 36 R DEPTH = 1 ERIOD BY DI	AL SUMMARY)= 0 - 14.9 .16N/121.75W 0.00 METERS RECTION	,
HEIGHT(METERS)					- 18.2- 22.3- 1 22.2 LONGER	TOTAL
0.500	4.4- 6.1- 13 8.0	8,1- 9,6-5 9,5 10.5 	0 0 MEAN TP(SE		1 22.2 LÖNGER	130000000000000000000000000000000000000
11201 110(11) 0124	CANOCOT	(C)(II) - (1.44	HEAR II COL	, - 4.0 1	NOTICE OF CASES	- 0
			AVE DIRECTION TO SHORELINE LATER LAT			
HEIGHT(METERS)	4.4- 6.1- 6.0 8.0	8.1- 9.6- 9.5 10.5	PERIOD(SECO 10.6-11.8- 11.7 13.3	13.4- 15.4 15.3 18.	- 18.2- 22.3- 1 22.2 LONGER	TOTAL
99999999999999999999999999999999999999	4.4-0 6.1-0 6.1-0 7.73-1 223-1 6.73-1 223-1 6.73-1 223-1 6.73-1 223-1 6.73-1 223-1 6.73-1 23-1 6.73-1	8,1- 9,6- 133 10.5 133 - 1684 - 270 - 222 - 				106531 1068951 1068951 1000
5.00 + TOTAL	4969 13732	1109 0	å å	å å	å å	Ŏ
MEAN HS(M) = 1.01	LARGEST H	IS(M) = 3.09	MEAN TP(SE	(C) = 6.7 (NUMBER OF CASES	= 11581
PHASE WAYE LATORE SHORE PERCE	3 ST 116 APPROACH ANG LON START= LINE ANGLE = NT OCCURREN	20 YEAR A SLE(RELATIVE 36.28N/121.5 128.0 (DEG E(X1000) OF	NAVE DIRECTION SHORE LINE CONTROL CONT	N STATISTIC IN DEGREES ON END= 36 R DEPTH = 1 ERIOD BY DI	AL SUMMARY)= 45.0 - 74.9 .16N/121.75W 0.00 METERS RECTION	,
PHASE WAYE LAT SHORE PERCE HEIGHT(METERS)			AVE SHEECTION OF SHEET OF SHEET OF SECOND			TOTAL
	4.4-0 6.05 6.05 8.75 7.005 183 7.005 183 100 100 100 100 100 100 100 100 100 10	8 0 1 - 9 0 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		4 4 10000000000000000000000000000000000	AL SUMMARY 74.5 16 N/1 25 0 75 W 0 20 1 75 W 0 20 1 75 W 1 22 2 3 - 1 22 2 LONGER 11 34 18 13 18 2 0	
HEIGHT(METERS) 0.99 0.500 - 0.99 1.500 - 1.0.99 2.000 - 2.3.499 3.000 - 4.99 3.000 - 4.99 4.500 - 4.99	4.4- 6.1 6.0 9.0 13 835 805 20 3405 20 104 10	8 0 1 - 9 0 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD (SECON 113.23	15.8 15.8 15.8 15.8 16.207-200-200-200-200-200-200-200-200-200-	18.2- 22.3- 1 22.2 LONGER 11 : 34 : 18 : 18 :	T 40:17:66:05:92:06 T 40:17:66:05:92:06 T 12:14:18:94:66:114 T 12:14:18:914
HEIGHT(METERS) 0 0. 499 0. 500 - 12. 499 1. 500 - 12. 949 2. 500 - 2. 949 2. 500 - 2. 949 2. 500 - 4. 99 5. 00 + 4. 99 5. 00 + 4. 60 MEAN HS(M) = 1.40 PHASE WAYE SHORE PERCE	4.4- 6.10 6.0 10 13 875 75 805 20 1044 . 10 	8 1 - 9 6 1 10 5 10 5 10 5 10 5 10 5 10 5 10 5	PERIOD (SECON 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	15.8 15.8 16.00628025757575161475 16.00750000000000000000000000000000000000	18,27 22,37 1 22,2 LONGER 11 : 34 : 18 : 18 : 18 : 82 0	TO TA 061566859206 15217207139946 222183114 2517207139946 2662
HEIGHT(METERS) 0.99 0.50 - 0.49 1.50 - 2.49 2.50 - 2.49 2.50 - 2.49 3.50 - 2.49 4.50 - 4.99 4.50 - 4.99 5.00 + 4.99 TOTAL MEAN HS(M) = 1.40 PHASE LAT. SPERCE HEIGHT(METERS)	4.4- 6.10 6.0 10 10 10 10 10 10 10 10 10 10 10 10 10 1	10076 61295 104076 61295 104076 61295 104076 61295 12025 123 100	PERIOD (SECON 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	15.8 15.8 16.00628025757575161475 16.00750000000000000000000000000000000000	18.2- 22.3- 1 22.2 LONGER 11 : 34 : 18 : 18 : 18 : 19 : 10 : 82 : 82 : 82 : 82 : 82 : 82 : 82 : 82	TOTAL 14217266859220 221541292214 45262
HEIGHT(METERS) 0 0. 499 0. 500 - 12. 499 1. 500 - 12. 949 2. 500 - 2. 949 2. 500 - 2. 949 2. 500 - 4. 99 5. 00 + 4. 99 5. 00 + 4. 60 MEAN HS(M) = 1.40 PHASE WAYE SHORE PERCE	4.4- 6.10 6.0 13 875 875 805 20 345 104 . 10 . 10 	1057 10267 1057 1239 1057 1299 1057 1299 1208 6129 1208 1287 10 1283 10 PERIOD (SECON 11325 1267 1267 1267 1267 1267 1267 1267 1267	15.8 15.8 16.00628025757575161475 16.00750000000000000000000000000000000000	18.2- 22.3- 1 22.2 LONGER 11 : 34 : 18 : 18 : 18 : 19 : 10 : 82 : 82 : 82 : 82 : 82 : 82 : 82 : 82	TO TA 061566859206 15217207139946 222183114 2517207139946 2662	

PHASE A WAYE A LAT SHOREL PERCEN	3 ST. 116 PPROACH AND ON. START= INE ANGLE: T OCCURREN	20 Y 36 28N 128N E(X1000					TICAL EES)= 36.16 = 10.0	SUMMAR 105.0 SN/121 SO MET CTION	Y - 134.9 75W ERS	
HEIGHT(METERS)	4,4- 6,1 6.0 8,	9.5	9.6- 10.5	PERIOD(10.6-1	SECOND	(S) 3.4- 1	5.4- :	18,2- 2	2 3- LÓNGER	TOTAL
0.499 0.999 1.500 - 1.499 2.5000 - 2.499	4.4- 6.1 17 15 59	, , 56	:	:	:	:	:	:	:	11 78
1.50 - 1.99		††	š	:	:	:	:	:	:	11 76 73 1659 130 71
99999999999999999999999999999999999999	124 104 5 112 : 30	57-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	:	:	•	:	:	:	:	130 16
- 0.49 - 0.499 - 0.499 - 1.2299 - 1.2299 - 1.2299 - 2.499 - 3.499 - 3.499 - 3.499 - 4.499 - 5.499 -	: :	i	:	:	:	:	:	:	:	ò
TOTAL MEAN HS(M) = 2.07	246 295 LARGEST I	157 {S(M) = {	3 4.75	0 Mean t	0 P(SEC)	0 = 6.	O 8 NUI	0 MBER OF	0 CASES =	417
TICAL TION - E.O.	LANGEGI	1 3 (11) -	1175	/ICAN	1 () [)			iber of	<u> </u>	727
PHASE .	3_ST116.,	20. Y	EAR_WA	YE_DIRE	CTÍON-	STATIS	ŢĮÇĄL	ŞŲMMĀR	Υ Y	
LATE TI SHOREL	3 ST. 116 PPROACH ANI ON. START= INE ANGLE: T OCCURREN	36.28N/ 128.0	iżi si (DEG.	M SHOKE	TATER	DEPTH	36.16 = 10.1	602721 00 ME1	75004.7 ERS	
PERCEN HEIGHT(METERS)										TOTAL
0 0.49	4,40 61 270 8:	9.5	9.6- 10.5	PERIOD(10.6-7	13.3 1	3.4- 1 15.3	5.4. 1 18.1	18.2- 2 22.2	ZÓNGER	27
	-6 ·	:	:	:	:		:	:	:	3
2.50 - 2.45 2.50 - 2.99	: :	:	:	:	:		:	:	:	20000000
3.50 - 3.99 4.00 - 4.49		:	:	:	:	:	:	:	:	Ŏ
4.50 - 4.99 5.00 + TUTAL	 56 6	Ö	Ö	Ö	Ö	å	Õ	Ö	Ġ	0
MEAN HS(M) = 0.94	LARGEST I	15(M) =	1.95	MEAN T	P(SEC)	= 5.	2 NUI	1BER OF	CASES =	38
PHASE A	3 ST. 116 PPRCACH ANI ON. START= INE ANGLE T OCCURREN	SLE (RELA	EAR HA	VE DIRE	TINE I	STATIS N DEGR	TICAL EES)=	SUMMAR 165.0	Y =_180.0	
SHOREL PERCEN	INE ANGLE T OCCURREN	= 128 0 E(X1000	DEG.	MAZ LA EIGHT A	NATER ND PER	DEPTH IOD BY	= 1010 DIREC	ON ME	ERS	
HEIGHT(METERS)				PERIOD(10.6-1					2.3- LONGER	TOTAL
0.50 - 0.49	4,4- 6,1	9.5	10.5	11.7	13.3	15.3	18.1	22.2	LONGER	8
- 0.99 - 1.499 - 1.299 - 1.500 - 2.349 2.500 - 2.349		:		:	:	:	:		:	ŏ
2.50 - 2.99 3.00 - 3.49	: :	:	:	:	:	:	:	:	:	Ŏ
3.50 - 3.79 4.00 - 4.49 4.50 - 4.99		•	:	:	:	:	:	:	:	000
	ó ó	Ö	ô	ò	ò	ò	ò	ò	ò	ð
MEAN HS(M) = 0.	LARGEST I	15(M) =	0.	MEAN T	P(SEC)	= 0.	NUI	1BER OF	CASES =	0



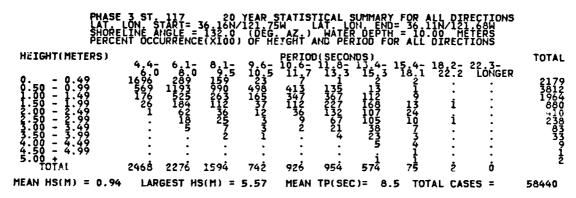


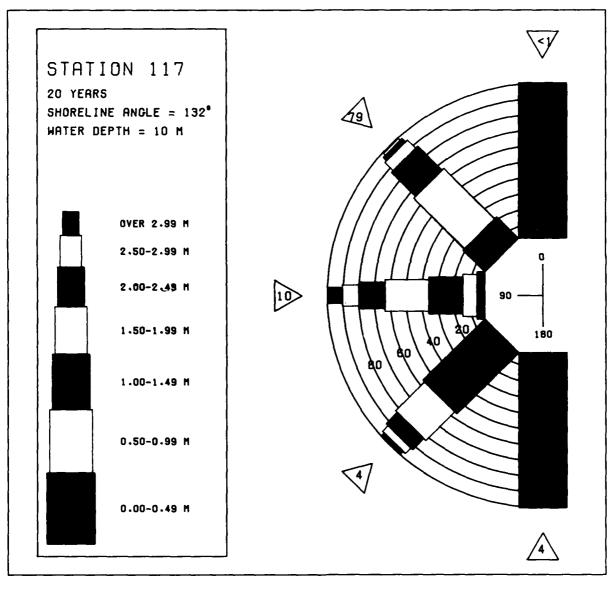
MEAN HS(METERS) BY MONTH AND YEAR WIS STATION 116 (36.28N/ 121.91W TO 36.16N/ 121.75W)

						MONT	H						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1199666789012345	85,509,5849,4968478414 11211211211211211221	75417997666882478477	36651756764477166976	2177-244-1217-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	110210000000011000471	20918971220911922520	876877882898199911721	1000000001000000001110	708068999891888877196	92930034040417049121 11071414141414114104141	24446097650494730652	5808860810180998989885	Zoodanoona dannadananda oo oo oo oo oo oo oo oo oo oo oo oo oo
MEAN	1.9	1.9	1.6	1.4	1.1	1.1	0.9	0.8	0.9	1.1	1.5	1.9	
	HAL	WIS S FEB			T HS((36		121.			YEAR 16N/ OCT		5W) DEC	
R67890123456789012345 R67890123456789012345	N 299590945599486027489	- 0-07-4-00-4-4-00-4-04-01-01-01-01-01-01-01-01-01-01-01-01-01-	นายการการการการการการการการการการการการการก	4 0475m916666m7010m048	027-18-187-658828-480488	200857557748920640707	476924615764209499447	9 071739740264734157984 211141071211111111111111	30649768758885786950	- 4004-0-1580เกียงสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสา	2 ณฑฑฑาณฑาณณฑณณฑาณณฑฑาณ+	M-RUMPING AND AND AND AND AND AND AND AND AND AND	
20 YR. MEAN PHACE TO AN AND AN AND AN AND AN AND AN AND AN AND AN AND AN AND AN AND AN AND AN AND AN AN AND AND	STAT IGNIF EAK WERD DE RED DE RED WASSR T ASSR LAR	ISTIC ICANT AVE PO NT ATI VIATI VIATI ECCTIO GEST	S FOR WAYE ERODE ON OF ED ASS HS OC	PACI HEIG GRÉE WAVE TH'LA CURRE	FIC S HT (ČEŃT HS TP TP RĠEŚT ED WI NCE I	TATIO ÉR) Ď WÅVĖ TH LA S (YR	N116 IŘEČT HS RGEST ,MO,D	(36.2 İON B WAVE A,HR)	8N/ 1 AND 		METERNE RECTERNE MEETERNE MEET		N/ 121.75W; 10.3 10.3 60.0 2.7 15.4 19.10 59021609

MAYE LAT SHOR PERC	E 3 ST 117 APPROACH ANG LON. START= ELINE ANGLE = ENT OCCURRENC	20 YEAR 36.16N/121.7 36.16N/121.7 132.0 (DEC	NAVE DIRECTIO TO SHORELINE 75W LAT L 16 AZ.) WATE HEIGHT AND F	ON STATISTIC. IN DEGREES ON. END= 36 ER DEPTH = 10 ERIOD BY DI	AL SUMMARY)= 0 - 14.9 .11N/121.68W).00 METERS RECTION	
HEIGHT(METERS)	4 4- 4 1-		PERIOD(SECO			TOTAL
- 0.4999999999999999999999999999999999999		· · · · · · · · · · · · · · · · · · ·				000000000000
MEAN HS(M) = 0.	LARGEST H	IS(M) = 0.	MEAN TP(SE	(C) = 0. 1	UMBER OF CASES	= 0
PHAS HAVE LAT SHOR PERCI HEIGHT(METERS)	E 3 ST. 117 APPROACH ANG LON. START= ELINE ANGLE : ENT OCCURRENC	GLE(RELATIVE 36:16N/121-7 132:00) 066				TOTAL
0 0.49 0.50 - 1.49 1.50 - 1.49 1.50 - 2.49 2.50 - 2.49 3.50 - 3.49 3.50 - 3.49 4.50 - 4.99	4,4- 6,1- 667 1132 10667 1132 3913 3980 797 980 10 49	891- 9.6- 9.5 10.5 : :	10.6-11.8-	NDS) 13.4- 15.4 15.3 18.	18.2- 22.3- 22.2 LONGER	11799 7217 1777 1777 0
3:50 ~ 3:49 4:50 ~ 4:49 4:50 ~ 4:99 5:00 + TOTAL MEAN HS(M) = 0.4	: : : 15387 5470 9 LARGEST F	: : : : 0 0 (S(M) = 2.35		: : : : : : : : : : : : : : : : : : :	: : : : ò ò !UMBER OF CASES :	ŏ
PHASI WAVE	E 3 ST. 117	20 YFAR W	IAVE DIBECTIO	N STATISTIC	AI CHIMMADY	
LAT. SHORI PERCI	APPROACH ANG LON. START= ELINE ANGLE = ENT OCCURRENC	SLE(RELATIVE 36.16N/121.7 132.0 (DEC E(X1000) OF	AVE DIRECTION TO SHORELINE (150 LAT LAT LATER) HATE HEIGHT AND F	N DEGREES ON. END= 36 R DEPTH = 10 ERIOD BY DI	35 45 0 - 74.9 11N/121 68W 0.00 METERS RECTION	
HEIGHT(METERS)	4-0 68-6 184-0 154414 463 154414 299 15227 68 12227 	8:1- 9:6- 15:94 9:74 9:507 16:17 15:54 16:0 17:05:4 16:0 17:05:4 16:0 17:05:4 16:0 17:05:4 16:0 17:05:4 16:0	PERIOD(SECO 10:6-11:8- 10:6-11:8- 17:7 13:8 17:7 13:8 31:50 13:58 34:63 36:70 11:17 26:63 35:51 13:60 6 20:70 46:3	00000000000000000000000000000000000000	3 45.0 - 74.9 11N/12168W 100 METERS RECTION - 18.2 - 22.3 - 1 22.2 LONGER 5	TOTAL 37057 2973372 17894 34954 19544 101 101
HEIGHT(METERS)	4.4- 6.1- 184 1546 463 8441 263 8422 68 1202 1 157 2 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8:1- 9:6- 15:94 9:74 9:507 16:17 15:54 16:0 17:05:4 16:0 17:05:4 16:0 17:05:4 16:0 17:05:4 16:0 17:05:4 16:0	PERIOD(SECON 11:8-11:10 11:10 1	NDS) 4- 15.4. 15.4.3 18.25. 17.25.9 17.25. 17.25.1 17.25.		3705 29337 167424 78924 3426 19546 303 101
HEIGHT(METERS) 0 0.49 0.50 - 0.99 1.50 - 1.49 2.50 - 2.49 2.50 - 2.99 3.50 - 3.49 3.50 - 3.49 4.50 - 4.49 4.50 - 4.99 5.00 + HOLD HASE HAVE LATE SHORL PERCE	4,4- 6,1- 184 1544 184 1544 184 1844 185 185 185 185 185 185 185 185 185 185	8.1- 9.6- 159.4 1979 98.14 1979 98.14 1979 1054 1917 1054 1917 1056 1917 1057 191	PERIOD (SECONDA PERIOD (SECOND	158 4-	18.2- 22.3- 1.2.2 LONGER 5 11 5 8 34 6 34 1 34 8 1 1 34 1 34 1 34 1 34 1 34 1 34 1 34 1 34 1 34 1 34 1 34 1 34 1 34 1 34 1 34 1 34 35 36 37 37 38 38 38 38 39 30	3705 29337 167426 7894 1954 6866 1911 101 10
HEIGHT(METERS) 0 0.49 1.50 - 1.49 1.50 - 1.49 2.50 - 2.49 3.50 - 3.49 3.50 - 3.49 4.50 - 4.99 TOTAL MEAN HS(M) = 1.10	4,4-0 6 1-0 1464 1464 1464 1464 1464 1464 1464 146	8.1- 9.6- 159.4 1979 98.14 1979 98.14 1979 1054 1917 1054 1917 1056 1917 1057 191	PERIOD (SECONDA PERIOD (SECOND	NDS 14-3 15-4-3 18-3-18-3-18-3-18-3-18-3-18-3-18-3-18	18.2- 22.3- 1.2.2 LONGER 5 11 5 8 34 6 34 1 34 8 1 1 34 1 34 1 34 1 34 1 34 1 34 1 34 1 34 1 34 1 34 1 34 1 34 1 34 1 34 1 34 1 34 35 36 37 37 38 38 38 38 38 38 38 38 39 30	37372 27372 27372 1674926 19846 1985 1016 10 10 37524 TOTAL 35732 3661 10 10 10 10 10 10 10 10 10 10 10 10 10

PHASE WAY LAT SHORE PERCE	APPROÁCH A LON. START LINE ANGLE NT OCCURRE	NGLE(RELA 36.32.000 NCE(X1000	EAR HAY TIVE TO 121.751 (DEG.	VE DIRE SHORE AZ EÎGHT A	CTION LINE I T. LON WATER ND PER	STATIST N DEGRE! DEPTH = LOD BY I	ICAL SUMM ES)= 105. 36.11N/12 10.00 M DIRECTION	ARY 0 - 134.9 1.68W ETERS	
HEIGHT(METERS) 0.499 0.500 - 1.999 1.500 - 2.999 2.500 - 3.499 2.500 - 3.499 4.500 - 4.99 5.00 + 4.99 TOTAL MEAN HS(M) = 1.23	4,4- 6, 282 11 347 12 92 16 13 1043 65 LARGEST	. i : i ż 21ż	9.6-5 10.5 3 .55 13 4.66	PERIOD(101671	SECOND 13.3 13.3 	: : : : : : :	4- 18.2-2 3.1 22.2 	22.3- LONGER 	TOTAL 3937998737708211000000000000000000000000000000000
	3 ST. 117 APPROACH A LON. START LINE ANGLE NT OCCURRE 4,4-0 6 4912 8 4912 8 4912 8 4912 8 5708 9 LARGEST		9.6-	PERIOD(10.6-11.7)		\$) 3.4- 15 15.3 16	4- 18 2- 3.1 22.2 	ARY 164.9 0 - 164.9 1 684 ETERS 22.3- LONGER 	TOTAL 4994 1000 000 000 000 000 000 000 000 000 0
PHASE WAVE LAT. SHORE LAT. SHORE HEIGHT (METERS)	3 ST 117 APPROACH A LON. START LINE ANGLE 4.4-6. 6.0 8 583 583 LARGEST		9.6-	PERIOD(101.7 11.7	CTION I TINE TO THE TO	\$) 3.4- 15 15.3 1	34- 1822- 34- 2222 34- 22-2 34- 34-34-34-34-34-34-34-34-34-34-34-34-34-3	ARY 0 - 180.0 1.68W 1.68W 22.3- LONGER 	TOTAL 583



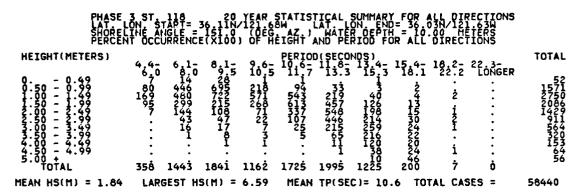


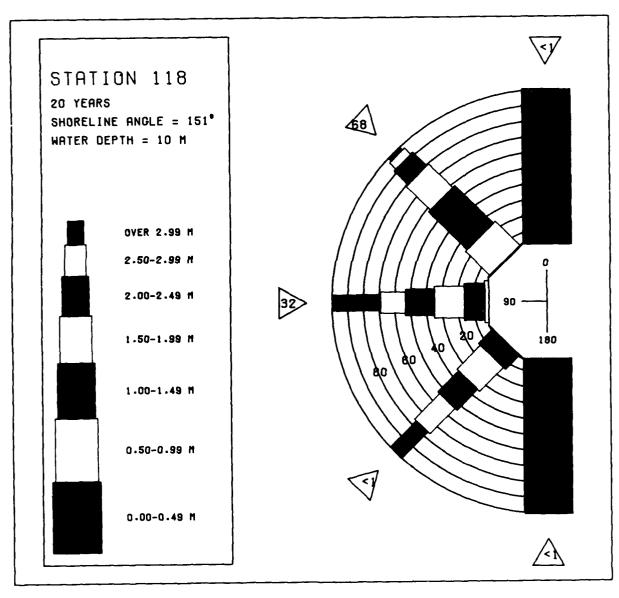
WIS STATION 117 (36.16N/ 121.75W TO 36.11N/ 121.68W)

		MIJ J	17110	(4 41)	(30	. 10117	141.	/ JA 1	U 30.	TIIV	121.0	OM 1	
						MONT	Н						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 45555566666666666777777 299999999999999999	MO-14MO-4M DIMMINDO-00800	0-209679369705961482	9211094010202100114141	99290861017170019028	897798988098809000149	87796659218899700009	76765677077697789219	866666566867676789097	68594766766867566975	71506510757678686797	78851901918516181185	1-1-1-10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	N99-10990-1-10990000000-1-0 E00-1000-1-1-1000-1-1-1-1-1-1-1-1-1-1-1-
1975	0.9	1.2	1.3	0.8	0.9	0.9	0.9	0.7	0.5	0.7	0.5	1.0	0.9
MEAN	1.5	1.4	1.1	0.9	0.9	0.8	0.8	0.7	0.6	0.7	0.9	1.3	
			L	ARGES	T HS(METER	S) BY	MONT	H AND	YEAR			
		WIS S	TATIO	N 117	(36	.16N/	121.	75W T	0 36.	11N/	121.6	SW)	
						MONT	н						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
YEAR													
R67890123456789012345 E955566666666677777 E99999999999999999	กณรทหรรมมหาราณหรรมจองจา	ของจับของสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามาร	ณฑายายายายายายายายายายายายายายายายายายาย	0077000744400074600001	างการการการการการการการการการการการการการก	99751231634708398470	10-11-10-1-10-1-1-1-1-1-1-1-1-1-1-1-1-1	10042922897262127773	104482222665621114511846	40779-110668884-1109-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	กเกาะของการการการการการการการการการการการการการก	annamanna anamanamann	
20 YR.	STAT	ISTIC	S FOR	PACI	FIC S	TATIO	N117	(36.1	6N/ 1	21.75	W TO	36.11	N/ 121.68W)
MEAN S MEAN F MEAN F STANDAS STANDAS LAVERAG DATE											METER SECONE METER		0.9 60.0 0.7 5.6 169.6 69121309

PHASE A WAVE A LAT LL SHOREL PERCEN	3 ST. 118 PPROACH ANG DN. START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIVE 36.11N/121 1510 (DE E(X1000) OF	WAVE DIRECT: TO SHORELING 68W LAT: G. AZ.) WA' HEIGHT AND	ION STATIST NE IN DEGRE LON. END= TER DEPTH = PERIOD BY	ICAL SUMMA ES)= 0 36.03N/121 10.00 ME DIRECTION	RY - 14.9 TERS	
HEIGHT(METERS)			PERIOD(SEC - 10.6- 11.5 5 11.7 13				TOTAL
0.499 	4,4- 6.1 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0	8,1- 9,6	5 ÎÎÎ.7 ÎÎ	.3	8.1 722.2	22.37 LONGER : : : : : : :	00000000000
TOTAL	Å 6	ò ò	Ò (ò ò	Ö Ö	Ġ	-
MEAN HS(M) = 0.	LARGEST H	IS(M) = 0.	MEAN TP(SEC) = 0.	NUMBER O	F CASES =	0
	3 ST 118 PPROACH ANG ON START= INE ANGLE : T OCCURREN	SLE(20 YEAR 36.11N/121 15110 (DE E(X1000) OF					
HEIGHT(METERS)	4,4-0 6 8 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8,1 ₋ 9,6	PERIOD(\$E0 5 10.6- 11.6 5 11.7 13	CONDS) 3- 13.4- 15 3- 15.3 1	4- 18.2- 18.1- 18.1- 18.1- 18.1- 18.1- 18.1- 18.1- 18.1- 18.1- 18.1- 18.1- 18.1- 18.1- 18.1- 18.1- 18.1- 18.1-	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	4-0 68 107771 3-67771					:	3989 369
4.50 - 4.99 5.00 + TOTAL	 1090 105	 0 0	ċ	 Ì ò	· · · · · · · · · · · · · · · · · · ·	Ò	Ö
MEAN HS(M) = 1.10		IS(M) = 2.09	MEAN TP	SEC) = 5.4	- ·	F CASES =	702
PHASE ALLATOR LATOR 3 ST. 118 PPROACH ANG ON. START= INE ANGLE: T OCCURRENCE	20 YEAR SLE(RELATÎVE 36 ÎÎN/ÎZÎ E(XÎOO) OF	WAYE DIRECT TO SHORELII 68W LAT 68WAZ) WA HEIGHT AND	ION STATIST NE IN DEGRE LON. END= TER DEPTH = PERIOD BY	ICAL SUMMA ES)= 45 0 36.03N/121 1000 ME DIRECTION	RY - 74.9 †ERS		
			WAVE DIRECT TO SHORELI 68W LAT G AZ LAT HEIGHT AND - PERIOD(SE - 10.6-11.	CON STATIST NE IN DEGRE LON. END= TER DEPTH = PERIOD BY (TOTAL
HEIGHT(METERS) 0.00 - 0.49 0.500 - 1.99 1.500 - 2.49 2.500 - 2.49 2.500 - 3.99	4.4- 6.1 3.2 13.3 468 43.33 799 48.74 51 12.33 	8 1- 9 6 27 8 1 183 6748 2163 6748 26623 1009 623 1009 237 1009 237 1009 237 1009 1374 11454	PERIOD (SE - 10; 6-7 113, 5 1; 7 13, 9407 218, 5407 218, 5407 248, 33042 428, 125; 426, 42 209, 42 11, 17056 1940	CONDS) 4-3 15-3 15-3 15-3 15-3 15-3 15-3 15-3 15	18.2.2 1 22.2 1	22 3- LONGER	1380336237.40 129677844505 536253319465 15221
HEIGHT (METERS) - 0.499 - 1.999 - 1.999 - 1.999 - 1.999 - 1.999 - 1.999 - 1.999 - 1.999 - 1.999 - 1.999 - 1.999 - 1.999 - 1.999 - 1.999 - 1.999 - 1.999	4.4- 6.1 3.2 13.3 468 43.33 799 48.74 51 12.33 	8 9 1 - 5 2 168 2 3 3 6 6 6 6 9 6 7 7 1 1 6 8 7 7 7 1 1 6 9 6 9 6 7 7 1 1 6 9 6 7 7 1 1 6 9 6 7 7 1 1 6 9 7 7 7 1 6 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	PERIOD (SE - 10; 6-7 113, 5 1; 7 13, 9407 218, 5407 218, 5407 248, 33042 428, 125; 426, 42 209, 42 11, 17056 1940	CONDST 151 25-31 151 3701888421400 32809942400 1204014500	18.2.2 1 22.2 1	22 3- LONGER	1380336237.40 129677844505 536253319465 15221
HEIGHT (METERS) 0 - 0.99 0 - 0.99 1.500 - 1.49 2.500 - 2.99 2.500 - 3.99 2.500 - 3.99 2.500 - 4.99 2.500 - 4.99 2.500 + 4	4,4- 6,1 460 1336 468 4783 7799 2874 51 1253 	8 1- 966 2787 21687 67169 26628 13774 237 13774 377 1457 267 1457	PERIOD (SE 5 113 5407 2168 5407 2168 5407 248 1045 428 1045 428 1045 428 1045 148 17056 1940! MEAN TP(SHORELTI 680 AZALALALALALALALALALALALALALALALALALALA	CONDS 1 4 3 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4- 18.2-2 31 22.2 1 22.3 1 22.	22 3- LONGER 	13780376217784505 5605257784505 12221
HEIGHT(METERS) 0 - 0 - 99 1 - 0 - 99 1 - 0 - 1 - 49 2 - 0 - 1 - 49 2 - 0 - 2 - 149 3 - 0 - 3 - 149 4 - 50 - 4 - 149 5 - 0 - 1 - 149 TOTAL MEAN HS(M) = 1.82 PHASE WAYE AL SHOREL SHOREL PERCEN HEIGHT(METERS)	4.4- 6.1 4.4- 6.1 4.4- 6.1 4.4- 6.1 4.4- 6.1	8 1- 9 6 6 6 2 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 7 8	PERIOD (SE 5 113 5407 2168 5407 2168 5407 248 1045 428 1045 428 1045 428 1045 148 17056 1940! MEAN TP(SHORELTI 680 AZALALALALALALALALALALALALALALALALALALA	CONDS 1 4 3 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4- 18.2-2 6.1 22.2 1.2 2.2 1.2 2.3 1.2 2.3 1.2 2.3 1.3 2.3	22 3- LONGER 	12021 12021
HEIGHT (METERS) 0 - 0.99 0 - 0.99 1.500 - 1.49 2.500 - 2.99 2.500 - 3.99 2.500 - 3.99 2.500 - 4.99 2.500 - 4.99 2.500 + 4	4.4- 6.1- 3.6 1363 468 4363 997 2874 799 2874 51 1233 	8 1- 966 2787 21687 67169 26628 13774 237 13774 377 1457 267 1457	PERIOD (SEI 177 13 38 86 86 87 87 87 87 87 87 87 87 87 87 87 87 87	15. 15. 15. 15. 15. 15. 15. 15. 15. 15.	4- 18.2-2 6.1 22.2 2.2 1 2.2 1 2.3 1 2.	22.3- LONGER 	13780376217784505 5605257784505 12221

PHASE AF WAVE AF LAT SHOPELI PERCENT	ST. 118 PROACH AN N. START= INE ANGLE TOCCURREN	GLE(RELA 36 11 N/ EE(X1000					TICAL EES)= 36.01 = 10.0	SUMMAR 105.0 N/121 10 MET	Y - 134.9 63W ERS	
HEIGHT(METERS)	4.4- 6.1 6.0 8.	8,1- 0 9.5	9.6- 10.5	PERIOD:	(SEÇOND 11.8- 1 13.3	S) 3.4- 1 15.3	5.4- 1 18.1	8.2 <u>-</u> 2	2.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 1.49 1.000 - 1.249 1.000 - 1.249 1.500 - 1.499 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99	i . 20 27 47 46 11 78 . 82 . 58	108445 445 373	3	•	:	•	:	•	•	01013866221 6036461 1111
3.77 3.77 3.77 3.77 4.77 4.99 5.00 +	: :	3 7 3	17 15	3 <u>i</u>	3 1	:	:	:	:	166221
TOTAL MEAN HS(M) = 2.62	79 299 LARGEST	258 +5(M) =	42 5.28	5 MEAN	7 TP(SEC)	0 = 7.	0 1 111 8	Ó 1BER OF	Ó CASES =	412
PHASE AR WAYE AR LAY SHOREN PERCENT	STACH AND STARTS	GLE(RELA 36.11N/ 25.110 CE(X1000					TICAL EES)= 36.00 = 10.00	SUMMAR 135.0 N/121. O MET	Y - 164.9 63W ERS	
HEIGHT(METERS)	4,4- 6,1 6.0 8.	6.1- 0 9.5	9.6- 10.5	PERIOD 10.6-	(SEÇOND 11.8- 1 13.3	\$) 3.4- 1 15.3	5.4- 1 18.1	.8.2- 2 22.2	2.3- LONGER	TOTAL
0 0 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 · · · · · · · · · · · · · · · · · · ·	•		:					:	0076100000
7:50 - 7:33 5:00 + TOTAL	: : 5	: ò	i	: 6	: ò	: ō	: ò	: Ó	: o	ŏ
MEAN HS(M) = 1.72	LARGEST	HS(M) =	2.11	MEAN	TP(SEC)	= 5.	7 NU!	BER OF	CASES =	7
PHASE A HAYE A LATER SHOREN PERCEN	ST. 118 PROÁCH AN ON STARTE INÉ ANGLE TOCCURREN	GLE(RELA 36.11N/ E151.00							Y - 180.0 630 ERS	
HEIGHT(METERS)	4,4- 6,1 10 8:	- 8,1 ₋	9.6- 10.5	PERIOD 10.6- 11.7	(SEÇOND 11.85 1	\$) 3.4- 1 15.3	5.4- 1 18.1	8.2- 2 22.2	2.3- LONGER	TOTAL
- 0.49 - 0.49 - 0.49 - 1.22 - 2.23 - 2.23 - 4.99 - 2.23 - 4.99 - 2.23 - 4.99 - 4.99 - 4.99 - 4.99 - 7.00 - 7.00	10	•	•						•	100000000000000000000000000000000000000
4.00 - 4.49 4.50 - 4.99 5.00 +		•	•		•		i			Ŏ
101AL MEAN HS(M) = 0.04	10 0 Largest	U HS(M) =	0.08	MEAN '	O TP(SEC)	= 4.	0 5 NUI	U 1BER OF	CASES =	6





WIS STATION 118 (36.11N/ 121.68W TO 36.03N/ 121.63W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	พากงอนากงายสามายายายายายายายายายายายายายายายายายา	บรายานายกระบบการการกระบบการการการการการการการการการการการการการก	めいことのないというというというというというというというというというというというというという	695795760787054766175	542655245644555557934 17117171717171717171717171717171717171	6454-094565045565765 1-1-1-1-107-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	101009111011042224753	700-10-10-10-10-10-10-10-10-10-10-10-10-1	921-1990225-139-1-0249527	76784589454769452565	71103074207107109120	169 อุษาคอ 288 อุธราชาการรา	ME111111111111111111111111111111111111
MEAN	2.6	2.6	2.2	1.9	1.5	1.4	1.2	1.1	1.2	1.6	2.2	2.7	
			L		T HS(METER		MONT				7113	

WIS STATION 118 (36.11N/ 121.68W TO 36.03N/ 121.63W)

MONTH

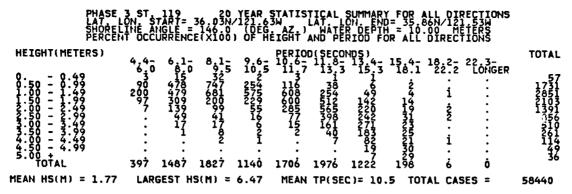
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NO) DEC
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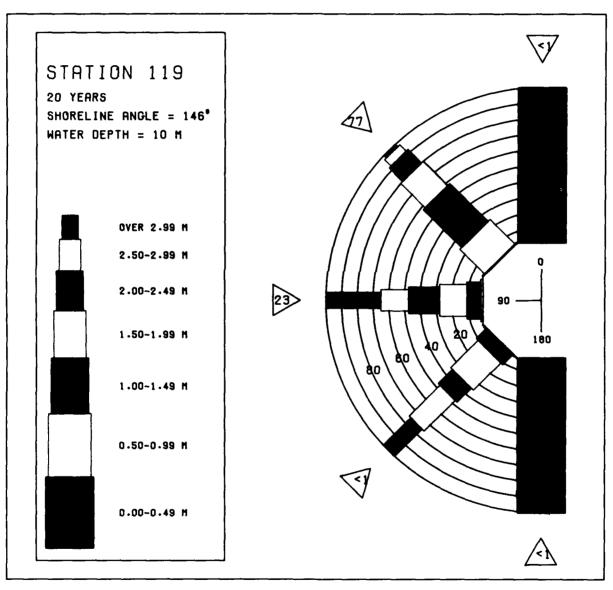
20 YR. STATISTICS FOR PACIFIC STATION118 (36.11N/ 121.68W TO 36.03N/ 121.63W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD (SECONDS)	,1.8
MOST FREQUENT 30 D DEGREE (CENTER) DIRECTION BAND (DEGREES)	6 <u>0</u> .8
STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS)	2.6 6.6
LARGEST WAVE HS (METERS) WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	16:7
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	58046306

PHASE WAVE LAT SHORE PERCE	3 ST 119 APPROACH AN LON STARTE LINE ANGLE NT OCCURREN	GLE(RELATIVE 36,03M/121 146.0 (DE CE(X1000) OF	MAVE DIRECT TO SHORELII 63W LAT. GAZ.) HA HEIGHT AND	ION STATIST NE IN DEGRE LON. END= TER DEPTH =	ICAL SUMMA ES)= 0 35.86N/121 10.00 ME DIRECTION	TERS	
HEIGHT(METERS)				CONDS) 8- 13.4- 15 .3 15.3			TOTAL
0.500000000000000000000000000000000000	4.4- 6.1 6.0 8. 	0 9.5 10.				- LÓÑGER : : : : : : : : :	9999999999
MEAN HS(M) = 0.	LARGEST	HS(M) = 0.	MEAN TPO	SEC) = 0.	NUMBER C	F CASES =	0
PHASE MAYE LAYE SHORE PERCE			MAVE DIRECT TO SHORELI 63W LAT G HEIGHT AND				
HEIGHT(METERS)	4.4- 6.1 6.0 8. 22 34 732 480	- 8,1- 9,6 0 9.5 10.	PERIOD(SEC 5 10.6- 11.7 5 11.7 13	500051 8- 13.4- 15 .3 15.3 1	.4- 18.2- 8.1 22.2	22 3- LONGER	TOTAL
99900999999999999999999999999999999999	4.4-0 6.1. 4.00 4800 7.3500 480026 1.5500 2553					: : : :	21680 21680 6730 6873000
5.00 + TOTAL	2784 1405	o d	à i	 Ò Ò	 6 6	Ġ	ŏ
MEAN HS(M) = 1.19	LARGEST	HS(M) = 2.63	MEAN TP(SEC) = 5.8	NUMBER C	F CASES =	2451
PHASE WAYE LAT SHORE PERCEI	3 ST 119 APPROACH AN LON. SAGLE LINE ANGLE NT OCCURREN	GLE(RELATIVA 36.03N/121. 36.03N/121. CE(X1000) OF	WAVE DIRECT TO SHORELI 63W LAT 64 AZ) WA HEIGHT AND	ION STATIST TE IN DEGRE LOM. END= TER DEPIM = PERIOD BY	ICAL SUMMA ES) = 45.0 35.86N/121 5.86N/121 DIRECTION	RY 74.9 1534 TERS	
PHASE WAY: REPAIR OF THE PERS (CONTROL OF THE PERS	APROSTARTE LINE SANGREN 100 - 1249 100 - 124	GLE (R03N/12) GL	WAVE DIRECT: TO SHORELI 63W Z L WAVE 64	TON STATISTE TO THE LONG TO THE LONG TO THE PERIOD TO THE	SUMMA SUMMA 15) = 45,21 35,086N/121 DIRECTION 8,1 12,2 2,3 17 18 2,3 17 18 2,4 19 15 15 15 16 16 17 18 18 19 19 19 19 19 19 19 19 19 19	22.3-	TOT 511195215004 512195215004 166935074153
HEIGHT (METERS)	4.4- 6.1 169 42695 427 27588 27 1266 27 1266 1 1 1 2726	GLE (REAL AT 12) GLE (REAL AT	PERIOD (SE	ION STATIST RE IN DEGRE LOW ENDS LOW ENDS TER DED BY CONDS 3 155 1403 1403 1403 1403 1503	6 1 22.2 6 1 22.2 23 17 40 17 40 11 68 11 68 15 680 15 680 15 680 15 680 15 680 15	22.3- LÖNGER	27217898138 511295235004 66293074153
HEIGHT(METERS) 0. 499 1.500 - 0.499 1.500 - 1.299 1.500 - 1.299 1.500 - 3.499 1.500 - 3.499 1.500 - 1.499 1.500 - 1.499 1.700 MEAN HS(M) = 1.78	4.4-0 6.1 169 421562 427562 4277 2 12661 1.041 12726 LARGEST	8 .1 - 9 .6	PERIOD (SE 1137 13 1168 254 12973 558 2973 568 2973 OMPS 4-3 15 15 15 15 15 15 15 1	4-1 18.2.2 8-1 22.2 17 22.3 17 488 11 888 15 18 11 19 11 1	22.3- LÖNGER 	272178988138 511295235004 166933074153 16693461 16693664 1669364 1669364 16693664 16	
HEIGHT(METERS) 0 0.49 0.50 - 0.49 1.50 - 1.29 1.50 - 2.99 2.50 - 2.99 3.50 - 3.49 3.50 - 3.49 5.00 - 4.49 5.00 + 4.99 5.00 + A.99 FOTAL MEAN HS(M) = 1.78 PHASE WAVE LAT. SHORE PERCE! HEIGHT(METERS)	4.4- 6.1 169 427582 169 427582 408 477582 408 477582 408 477582 1266 - 41 - 12726 LARGEST 1 1041 12726 LARGEST 1 1041 12726 LARGEST 1 1041 12726 LARGEST 1 1041 AN LLONE STARTE NT OCCURREN 4.4- 6.1 6.0 8.	1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	PERIOD (SEE 1137 13 1168 254 168 254 168 254 16973 508 1743 159 1743 159 1745	COMPS 4-3 15 15 15 15 15 15 15 1	4-1 18.2.2 8-1 22.2 17 22.3 17 488 11 888 15 18 11 19 11 1	22.3- LÖNGER 	166275275898112952750741004 1662752750741004 170741004 170741004 170741
HEIGHT(METERS) 0. 499 1.500 - 0.499 1.500 - 1.299 1.500 - 1.299 1.500 - 3.499 1.500 - 3.499 1.500 - 1.499 1.500 - 1.499 1.700 MEAN HS(M) = 1.78	4.4-0 6.1 169 4235826262626262626262626262626262626262626	1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	PERIOD (SEE 137 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4- 18.2.2 8-1 22.2 2-3 17 480 15 8	22.3- LONGER 	272178988138 511295235004 166933074153 16693461 16693664 1669364 1669364 16693664 16

	S ST 1 PPROÁCH DN. STAI INE ANG T OCCUR!	ANGLE RT= 30 LE = 30 RENCE	20 Y (RELA 203N/ 146.0 (X1000					TICAL EES)= 35.80 = 10.00	SUMMAR 105.0 5N/121 10 ME† CTION	Y - 134.9 530 ERS	
HEIGHT(METERS)	4.4-	6,1~ 8.0	8,1-	9.6- 10.5	PERIOD 10.6- 11.7	(SECOND	5) 3,4- 1 15.3	5.4- : 18.1	18.2- 2 22.2	2.3- LONGER	TOTAL
99999999999999999999999999999999999999		20 20 20 20 125 165	11 34 77 76	: 3		:	•	:		:	0 4047 11987
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99	•	°5 :	23	17 18 3	i i	ž		:	:	:	146 11
		31i	230	4i	<u>}</u>	4	Ô	ò	Ġ	Ò	1
MEAN HS(M) = 2.65	LARGE	ST HS	(M) =	5.32	MEAN	TP(SEC)	= 7.	7 NUI	1BER OF	CASES =	407
PHASE ALL ATTENTION OF THE PERCENT O	STAIL PPROACH ON STAI INE ANG TOCCUR	19 ANGLI RT= 30 LE = 30 RENCE	20 Y RELA 103N/ 14600	EAR WA TIVE T 121 63 (DEG.	VE DIR O SHOR AZ EIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIS N DEGR DEPTH DEPTH IOD BY	TICAL EES)= 35.86 = 10.60	SUMMAR 135.0 N/121 10 MET	Y - 164.9 530 ERS	
HEIGHT(METERS)	4.4-	6.1- 8.0	8,1- 9.5	9.6- 10.5	PERIOD 10,6-7	(SEÇOND 113.3	§) 3,4- 1 15,3	5.4- 1 18.1	18,2 <u>-</u> 2	2 3- LÖNGER	TOTAL
- 0.49 0.99 1.99 1.99 1.99 1.99 1.99 1.99 1.9	Ś			•	•	:	:	:	:	:	90
1.50 - 1.99 2.00 - 2.49 3.60 - 2.49	1	ė	:	:	:	:	:	:	:	:	11
3.00 - 3.49 3.50 - 3.99	:	:	:	:	:	:	:	:	:	:	Ŏ
4:50 - 4:59 5:00 +	:	:	:	:	:	:	:	:	:	:	ğ
MEAN HS(M) = 1.67	LARGE	ST HS	U (M) =	2.05	MEAN	U TP(SEC)	≈ 5.	7 NUI	1BER OF	CASES =	11
PHASE WAYE A LAHOREL PERCEN	3 ST 1 PPROACH ON STAI INE ANG T OCCUR	19 ANGLI RT= 30 LE = RENCE	20 Y E(RELA 5.03N/ 14600								
HEIGHT(METERS)	4.4-	6.1- 8.0	8,1-	9.6- 10.5	PERIOD	(SECOND 113.3	§) 3,4~ 1 16,3	5,4- :	18,2- 2	2.3- 10NGFP	TOTAL
99999999999999999999999999999999999999			;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;								00000
2.50 - 2.99 3.50 - 3.49 3.50 - 3.99	:	:	•	:	•	:	:	:	•	:	8
4.00 - 4.49 4.50 - 4.99 5.00 +		:	•	•	:	•	•	•		•	Ŏ
TOTAL MEAN HS(M) = 0.	Ŏ LADGE	Ó ST Hei	ó (M) =	Ö n.	Ö MEAN	Å TP(SEC)	0.	Ö Nam	Ò MRFD NF	Ö CASES =	n
HEART HOURS - V.	CARGE	J. 113	, -	••	ILAIT		- 0.	1101	DEK UF		·





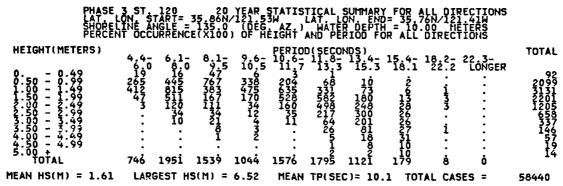
MEAN HS(METERS) BY MONTH AND YEAR WIS STATION 119 (36.03N/ 121.63W TO 35.86N/ 121.53W) MONTH

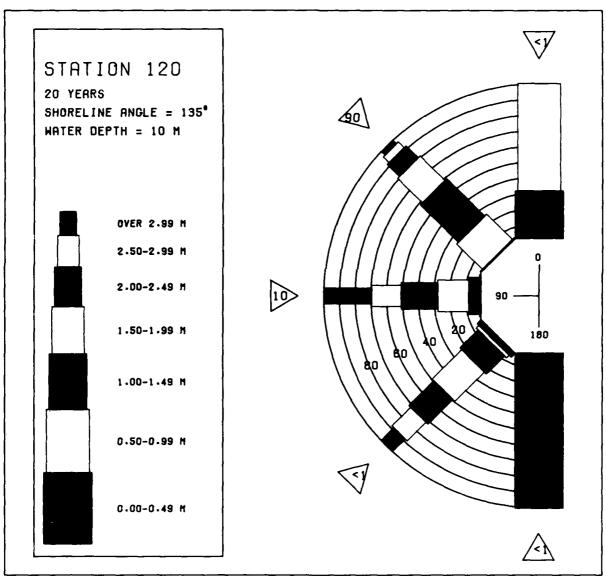
						MONT	Н						
	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890125456789012545 E9555666666666777777 E999999999999999999999	<u> </u>	やいっというないのできないのできないのできないのできない。	7-00-14-00-19-10-00-10-00-1	68768676977797726128A	44-154-164-164-164-164-184-184-184-184-184-184-184-184-184-18	היינולים הי	101109001101111111111111111111111111111	7-10-10-10-10-10-10-10-10-10-10-10-10-10-	924-1989-12889215-10-14951-17	MIGUITANITO MIGNO GOMA SUNINA	60092476319707020217017	อเกอเกรียนกับ อกราบกรอบ 4400 x	N66886678977780088195
MEAN	2.5	2.5	2.1	1.8	1.5	1.3	1.2	1.0	1.1	1.5	2.1	2.6	
			-		T HS(7113	
		MT2 2	CITAT	N 119	1 36	.03N/		6 3M 1	U 35.	8611/	121.5	3 H J	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
YEAR			,		*			700	02,				
R67890123456789012345 E555566666666777777 E59999999999999999999999999999999	7.4m000m6m887.4m9744411444	nonnandhanandanadan	กกากกรากหากกากระบรกรษณ	กทางกทางสารราชายการเก	งงานรายการและเการ์ เล่าการ์ เ	7-44mg-man		0-600-6-10-10-10-1-1-10-1-1-10-1-1-10-1-10-1-10-1-10-1-10-1-10-1-10-1-10-10	00000000000000000000000000000000000000	のののはのいのようでいるようののできることのののはいいのできません	0000004746-015004045	กรรรรการแกรรรรรการแกรรรการ กรรรรการการการการการการการการการการการกา	
20 YR.	STAT	ISTIC	S FOR	PACI	FIC S	TATIO	N119	136.0	3N/ 1	21.63	W TO	35.86	N/ 121.53W)
MEAN S MEAT PE MEAT PE STANDAS STANDAS STANDAS STANDAS STANDAS STANDAS MAYER G MAYER G											METERN SECORE SECORE METERN SECORE METERN SECORE		10.5 10.5 100.9 160.9 161.5 171.7 58040303

PH WA SH PE	ASE 3 ST VE APPROAC T LON ST ORELINE AN RCENT OCCU	120 H ANGLE ART= 35 GLE = 1 RRENCE()	20 YEAR RELATIV .86N/12] .8500 (HAVE DI E TO SHO 153W SEGHZ F HEIGHT	RECTION RELINE I LAT. LON MATER AND PER	STATIST N DEGRE END= DEPTH : IOD BY	ICAL S ES)= 35.76N 10.00 DIRECT	UMMAR 1/121 METI ION	14.9 14.9 ERS	
HEIGHT(METERS					113.3					TOTAL
99999999999999999999999999999999999999	6.0 3.5	6.1- 8	39.5 10 : : :	6-5 10.7 : : : : : : : : : : : : : : : : : : :	13.3	[5]3]	(8.1 *2	(2.2 - 1	CÓÑGER : : : : : :	350000000000000000000000000000000000000
TOTAL	35	Ō	Ġ	ġ ġ	Ó	Ġ	Ġ	å	Ō	0
MEAN HS(M) = 0	.09 LARG	EST HS(1	1) = 0.3	31 MEAN	TP(SEC)	= 4.6	NUMB	ER OF	CASES =	21
PH WA LA SH PE HEIGHT(METERS	ASE 3 ST VE APPROAC LON ST ORELINE AN RCENT OCCU		20 YEAR RELATIV 86N/12) 35.0 ([(144.9 RS	TOTAL
ne Ion) (ne ieko	4,45	6,1- 8	3.1- 9 9.5 10	6- 1675 11.7	13.3	3,4- 15 15.3	6.1 2	2.2	2.3- LONGER	TOTAL
	2619 3966 265	6 1- 8 136 3649 7150 157	3 1 5 9 9 25 10 3 9 5 1 6 8 1 .		•	•	•	:	•	310 6614 11277 3883 158
3:50 - 3:55 4:00 - 4:49	:	•	:		:	:	:	•	:	ŏ
4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	6990 1	4595 <i>(</i>	58		ô	å	ò	Ò	å	8
MEAN HS(M) = 1		EST HS(1) = 2.5	53 MEAN	TP(SEC)	= 6.5	, NUMB	ER OF	CASES =	13003
	ASE 3 ST VE APPROAC T LON ST ORELINE AN RCENT OCCU	120 H ANGLE ART = 35 GLE = 1 RRENCE()	20 YEAR (RELATIV 96N/12) 3500 ((ICAL S ES)= 35.76N 10.00 DIRECT	UMMAR 45.0 1/121 METI ION	74.9 714 RS	
PH HA LA SH SH HEIGHT(METERS	4.4-					e 1				TOTAL
	4 - 3 36 169 · · · · ·	6 1- 6 8 10 847 73 927 30 1404 11 698 1	3.1-5 9.5 1.75 3.75 3.75 3.75 3.75 3.75 3.75 3.75 3	PERIO 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SECOND 12221 131644377545 1116644377545 1116644377545 1116644377545	5) 4-3 11 1023 12 1033 12 1033 12 1033 12 1033 13 1033 1033	24-18-60-18-	2-2 2-2 37 355 17	74.9 	TOTAL 178865568776371714 4997157114
	4.4-0 4.4-0 10558 	6 1- 6 8 10 847 73 927 30 1404 11 698 1	301- 91 38 102 38 472 558 162 221 221 221 221 221 221 221 221 221	PERIOD - 7 - 1 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3	SECOND 12221 131644377545 1116644377545 1116644377545 1116644377545	5) 4- 15 15 100 100 100 100 100 100 100 100 100 100	20 20 20 20 20 20 20 20 20 20 20 20 20 2	2-2 2 1 2-2 1 3-7 3-7 3-7 3-7 3-7 3-7 3-7 3-7 3-7 3-7	3- CÓNGER : : : : : : : : : : :	143888376374711 14977368734711 14977368734711
HEIGHT (METERS 0 - 0 - 99 0 - 99 0 - 1 - 1 - 199 1 - 1 - 199 1 - 1 - 199 1 -	181 .70 LARG	6 1- 8 820 7 820 7 1404 1 1698	3 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD - 7 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	13.3 13.3 13.3 13.3 13.3 13.3 13.3 13.3	\$15.4 \$1	3.4- 18 8.1 2 20 61 287 668 665 718 665 718 665 718 665 718 718 718 718 718 718 718 718 718 718	2- 2: 2.2.2 187 355 17 :: 20 ER OF	CASES =	74386837-631 7865568737-471 4977369736973471 167736973571 177736973471 17773697471 1777471 17
HEIGHT (METERS 0 0.49 0.50 - 1.49 1.500 - 1.249 2.500 - 2.49 2.500 - 4.99 2.500 - 4.99 5.00 - 4.99 5.00 - 4.99 E.00 - 4.99	18i .70 LARG	6 1-0 8207 730 1404 11 6 86 6 3990 141 EST HS(I	3 1 5 9 1 6 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	PERIOD - 7 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	13.3 13.3 13.3 13.3 13.3 13.3 13.3 13.3	\$15.4 \$1	182 184-1 12 1860 1860 1860 1860 1860 1860 1860 1860	2- 2: 2.2 2: 17 355 17 20 ER OF	CASES =	4388837637471 5386568734711 4977368354711 1497716811
HEIGHT (METERS 0 - 0 - 99 0 - 99 0 - 1 - 1 - 199 1 - 1 - 199 1 - 1 - 199 1 -	181 .70 LARG	6 1-0 8 20 7 7 1404 11 6 8 8 6	3 1 5 3 7 6 5 1 5 7 6 6 1 6 6 1 6 6 1 6 6 1 6 6 1 6 6 1 6 6 1 6	PERIOD - 7 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	0(\$ECOND 113:3 68:4 13:4 33:4 13:5 33:4 12:375 23:3	\$15.4 \$1	182 184-1 12 1860 1860 1860 1860 1860 1860 1860 1860	2- 2: 2.2 2: 17. 355 17. 20. EER OF	CASES =	74386837-631 7865568737-471 4977369736973471 167736973571 177736973471 17773697471 17773697471 17773697471 17773697471 17773697471 17773697471 17773697471 17773697471 17773697471 17773697471 17773697471 17774

MEAN HS(M) = 2.67 LARGEST HS(M) = 5.90 MEAN TP(SEC) = 8.9 NUMBER OF CASES = 1109

PHASE A WAVE A LAT SHOREL PERCEN	ST. 120 PPROACH AN ON. STARTS INE ANGLE TOCCURREN	GLE(REL) = 35.86N. = 135.00	YEAR WATIVE	AVE DIR TO SHOP 3W L HEIGHT	ECTION ELINE I AT LOP WATER AND PER	STATIS N DEGR N ENDS DEPTH NO BY	TICAL EES)= 35.76 = 10.00 DIREC	SUMMAR 105.0 N/121 0 MET TION	134.9 41W ERS	
HEIGHT(METERS)		8,1 ₋	9.6- 10.5	PERIOD 10.6- 11.7	(SECONT 11.8- 1	(\$) 3.4- 1 15.3	5.4- 1 18.1	.8.2- 2 22.2	2.3- LONGER	TOTAL
- 0.49 - 0.49 - 0.49 - 1.249 - 1.24	138 555 15 15 15 15 15	15 27 34 26	: 5 i	•	•				:	0 1699 10297 37 11
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	145 20	22	15 1 27	i	: :	i i		: : ò		37 11 1
MEAN HS(M) = 2.38		HS(M) =		MEAN	TP(SEC)	= 7.	2 NUM	IBER OF	CASES =	317
	3 ST 120 PPROACH AI ON START: INE ANGLE T OCCURREN	GLE (REL 35.86N 135.00							141 - 164.9 - 41 ERS	
HEIGHT(METERS)	4,40 68 150 8	o 8,1-	9,6- 10.5	PERIOD 10.6- 11.7	(SECOND 11.8- 1	(5) 3.4- 1 15.3	5.4- 1 18.1	8.2- 2	2 3- LONGER	TOTAL
99999999999999999999999999999999999999	15556		•	:	:	:	:	:	:	233840900000
001499999999999999999999999999999999999	29 1		•	: : :	: : :		:		: : :	0000
MEAN HS(M) = 0.86		HS(M) =	1.99	-	TP(SEC)	-	9 NU1	-	CASES =	30
PHASE AVE AVE AVE AVE AVE AVE AVE AVE AVE AV	3 ST 120 PPROACH AI DN START INE ANGLE T OCCURRE	GLE(REL 35.86N = 135.0 4CE(X100	YEAR HATIVE 7121-53 0) OF H						180.0 	
HEIGHT(METERS)	4,4- 6.1 6.0 8	l 8,1-	9.6- 10.5	PERIOD 10.67	SECOND 13.3	(S) 3.4- 1 15.3	5.4- 1 18.1	8.2- 2 22.2	2.3- LONGER	TOTAL
- 0.49 - 0.499 - 11249 - 0.500 - 2349 - 2349 - 2349 - 2349 - 2499 - 2499	•	• • • • • • • • • • • • • • • • • • •	•	•		•	•	:	:	0000000000
7:30 - 7:43 4:50 - 4:99 5:00 +	•		:	•		:	:		•	9000
MEAN HS(M) = 0.	0 (LARGEST)	0.	MEAN '	O TP(SEC)	= 0.	1/UN 0	O IBER OF	CASES =	0





MEAN HS(METERS) BY MONTH AND YEAR WIS STATION 120 (35.86N/ 121.53W TO 35.76N/ 121.41W)

HTHOM

	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 R67890123456789012345 E9999999999999999999	いめてかいいっしょういっといっといっといっといっといっといっというというというというというというというというというというというというというと	ดางหนางการการการการการการการการการการการการการก	159893079097700699309	11221-1-1-1-1-1-1-222-1-1-221	NACHARIAN PROPERTY OF THE PROP	42240-1074-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	10-1-100-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	1100001010101111111111	81028900204709029418	14-15-15-6-15-15-15-15-15-15-15-15-15-15-15-15-15-	47-669-620-005-005-005-00-0-0-0-0-0-0-0-0-0-0-0-	7-15-1-10-4-2-4-315-1-3-6-2-0-2-7-8	X456665555767655788666884
MEAN	2.3	2.3	1.9	1.6	1.4	1.3	1.1	1.0	1.0	1.3	1.8	2.3	

LARGEST HS(METERS) BY MONTH AND YEAR WIS STATION 120 (35.86N/ 121.53W TO 35.76N/ 121.41W)

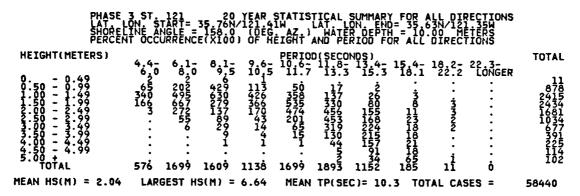
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
P67890123456789012345 R67890123456789012345 E9909999999999999999	nnagar o oning and unagarin	MATHAMADONNA TANNANN	9201-191501789-1078804477 20151-191501788-1078804477	889-88 กลา 799-447 เกษาการ	ณณ์สณาสาราชาวาราชาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวารา	200000000000000000000000000000000000000	606671786717171787178747	าเก.674 ณาเกทางเกตเกตาเลอก ณาเก.ศาสาสาสาสาสาสาสารณณณา	9-15/10-6-1-10-10-10-10-10-10-10-10-10-10-10-10-1	54781772807708476775	ณะสนานากของการการการการการการการการการการการการการก	ณฑสภาคณสสมาสสภาสสภาสภาค พฤสภาคณสสมาสสภาคณ

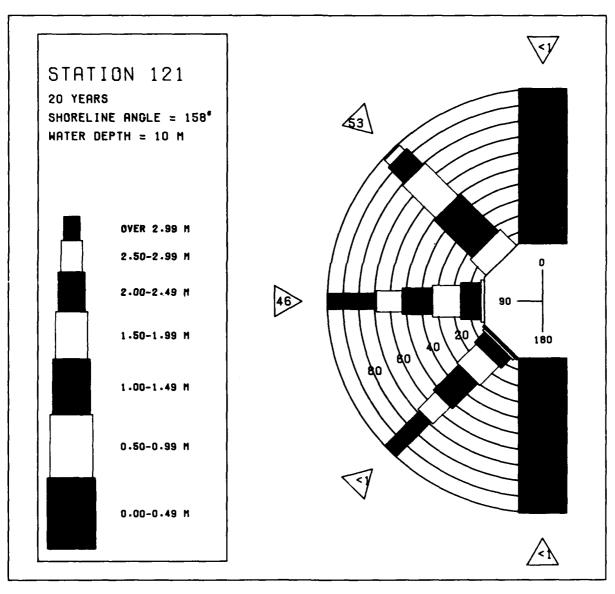
20 YR. STATISTICS FOR PACIFIC STATION120 (35.86N/ 121.53W TO 35.76N/ 121.41W)

MEAN SIGNIFICANT WAVE HEIGHT	1.6 100.8 60.8 26.5 16
LARGEST WAVE HS WAYE TP ASSOCIATED WITH LARGEST WAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	16.7 71.3 57022415

	3 ST 121 PPROACH ANG ON STARTE IN ANGLE IT OCCURRENCE	20 YEAR 35.76N/121 158000 0					14.9 5W ?S
HEIGHT(METERS)	4,4- 6,1 6.0 8.0	8,1- 9,	PERIOD 6- 10.6- .5 11.7	(SECONDS) 113.3 15	7- 15:4- 3 18:1	18,2- 22	TOTAL NGER
0.50 - 0.49 1.00 - 1.42						:	: 0
99999999999999999999999999999999999999		:				:	·
3:00 - 3:49 3:50 - 3:49	: :	:		•		:	: %
4:50 - 4:55 5:00 + TOTAL	: :	:	 	:	: :	:	: 0
MEAN HS(M) = 0.	LARGEST !	IS(M) = 0.	MEAN	TP(SEC) =	0. N	MBER OF (CASES = 0
PHASE	3 ST 121	SLE RELATIV	WAVE DIR	ECTION ST	ATISTICAL PEGREES	SUMMARY	44.9
SHÓRET PERCEN	3 ST 121 APPROACH AND ON. START= INE ANGLE IT OCCURREN	35600170 E(X1000) 0	ÉĞTMAZ) FÜHETGHT	MÁTER ÓE AND PERIO	FTH= 376	ON THE TER	RS
HEIGHT(METERS)				(SECONDS) 11.8-13.			
0: ₅₀ - 0:49	431 111	9.5 10 :	.5 11.7 : :	13.3 15	.3 18.1 : :	22.2 (· _}±
0	1783 612	:	: :			•	23425
2.50 - 2.99 3.50 - 3.99 3.50 - 3.99		•				:	. Š
4.00 - 4.49 4.50 - 4.99 5.00 +		:				:	: ŏ
ŤOŤAL MEAN HS(M) = 1.17	2249 818	0 4 5 (m) = 1.6	Ö Ö O Mean	0 (TP(SEC) =		Ö MBED OF (Ö CASES = 1794
11271 110(11) - 2127	EAROLUT	10(11) - 2.0	, 115414	11(320) -	3.7 110	HIDER OF C	- AJLG - 1/74
PHASE	3 ST. 121	SIF (BE) YEAR	- WAVE DIE	ECTION ST	ATISTIÇAL	SUMMARY	74 9
PHASE HAYE LAYE SHEREL	3 ST 121 PPROACH ANG ON. START= INC ANGLE:	GLE(20 YEAR 35.76N/121 5150-00 (0	WAVE DIR E TO SHOR EGUE AZU)	ECTION ST	ATISTICAL PEGREES)= END= 35.6 PTH = 10.6	SUMMARY 30 3 30 METER	74.9 5W
PHASE MAYE LATTE PERCEN HEIGHT(METERS)	3 ST 121 PPROÁCH AM ON. STARTE INE ANGLE: IT OCCURREN		WAVE DIR E TO SHOR E TO SH	ECTION ST ELINE IN AT LON WATER DE AND PERIO (SECONOS)	ATISTICAL DEGREES)= NO= 35.6 PTH = 10.0 D BY DIRE	SUMMARY 34510 30 METER CTION	74.9 88 TOTAL
HEIGHT(METERS)			WAVE DIR E 70 SHOR E 41W Z F HEIGHT 6- 1016- 0 1016- 0 1016-	ECTION ST ELINE IN AT LON WATER OF AND PERIOD (SECONDS)	ATISTICAL DEGREES)= END= 35.6 PTH = 35.6 D BY DIRE	SUMMARY 3N/121 3 00 METER CTION 18,2- 22	74.9 88 3_ TOTAL 500 TOTAL
HEIGHT(METERS)			MAYE SHOR 41W SHOR 41W SHOR 41W SHOR 64 1 SHOR 6 - 10.6-7	ECTION ST ELINE IN ATATER DE AND PERIO (SECONDS) 1313 15 172 21 2980 280	ATISTICAL DEGREES)- END= 350- DTH = 100- BY DIRE 4- 15-4- 3 18-11	SUMMARY 45.0 - 30.121.3 00 METER CTION 18.2- 22 22.2 LO	74.9 TOTAL 3- TOTAL 101 - 22676
			MAVE SHOPE E 470 SHOPE E 41M Z F F HE I GHT 6- 10.6-7 10 3473 3473 10 3473 10	ECTION ST ELINEON IN WATER OF AND PERIOD 113-3 15- 172 250 123-6 250 123-6 153 172 250 123-6 153 172 250 123-6 153 173-7 153	ATTENTION ATTENT	SUMMARY 3N/121 3 3N/121	74.9 FS TOTAL 3- TOTAL 5NGER 101 - 8226 - 12678 - 12678 - 12798
HEIGHT (METERS) 0.499 0.500 - 1.499 1.5000 - 2.499 2.5000 - 3.499 2.5000 - 3.499 3.7000 - 3.499	4,47 6,1		MAYE SHORT E 41W Z-10 L F HEIGHT 6-10:-7 1	SECONDS 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ATISTICS: DEGREES 6.0.0 DEGREES 6.	SUMMARY 3N/121 33 3N/121 33 0CTION 18:2- 22 22:2 [0	74.9 FINGER 101 - 21287 - 212878 - 212878 - 14778 - 14778 - 1788
HEIGHT(METERS)	4 0 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		PERIOD 10.6- 10.6- 11.7 1496 35085 44782 1549 128	SECOND 31 15 21 25 25 25 25 25 25 25 25 25 25 25 25 25	15.8 15.8 15.8 15.8 15.8 15.8 15.8 15.8	SUMMARY 3N/12133 3N/12133 CTION 18,2- 22 22.2 C	74.9 74.9 3- TOTAL 3- 101
HEIGHT (METERS) - 0 - 499 1 - 199 - 1 - 199 -	4 0 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 1 - 9 0 4274 113 4274 113 4524 15375 154 10 11 15393 1089	PERIOD 10.6-	SECOND 31 13 3 15 13 3 15 13 2 25 13 2	15.8 15.8 15.8 15.8 15.8 15.8 15.8 15.8	18.2- 22 22.2 LG 10	74.9 FINE TOTAL NOTAL NOTAL 101 1026 12676 127676 127676 127676 127676 127676 127676 127676 127676 127676 12768 12768 12768
HEIGHT (METERS) 0 - 0 - 49 0 - 0 - 49 1 - 0 - 99 1 - 0 - 1 - 99 2 - 0 - 1 - 99 2 - 0 - 2 - 99 3 - 0 - 2 - 99 3 - 0 - 2 - 99 3 - 0 - 3 - 99 4 - 50 5 - 0 - 4 - 99 5 - 0 - 4 - 99 5 - 0 - 4 - 99 MEAN HS(M) = 2.00	4.47 6.1 219 1906 1557 6452 2 396 2 396 2 396 2 396 2 15586 LARGEST 1	8 1 - 9 0 4 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD 6-1016-7010 3473-70	SECONDS) 13-3-3-15-15-15-15-15-15-15-15-15-15-15-15-15-	4-1 -3-15-6 -3-15-6 -3-7-2-7-6 -3-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-6	18.2- 22.2 CO	TOTAL TO
HEIGHT (METERS) 0 - 0 - 49 0 - 0 - 49 1 - 0 - 99 1 - 0 - 1 - 99 2 - 0 - 1 - 99 2 - 0 - 2 - 99 3 - 0 - 2 - 99 3 - 0 - 2 - 99 3 - 0 - 3 - 99 4 - 50 5 - 0 - 4 - 99 5 - 0 - 4 - 99 5 - 0 - 4 - 99 MEAN HS(M) = 2.00	4.47 6.1 219 1906 1557 6452 2 396 2 396 2 396 2 396 2 15586 LARGEST 1	8 1 - 9 0 4 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD 6-1016-7010 3473-70	SECONDS) 13-3-3-15-15-15-15-15-15-15-15-15-15-15-15-15-	4-1 -3-15-6 -3-15-6 -3-7-2-7-6 -3-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-2-7-6 -3-7-6	18.2- 22.2 CO	TOTAL TO
HEIGHT (METERS) 0 - 0 - 49 1 - 0 - 49 1 - 0 - 49 1 - 0 - 49 2 - 0 - 1 - 49 2 - 0 - 2 - 49 3 - 0 - 3 - 49 4 - 0 - 3 - 49 5 - 0 - 4 - 49 5 - 0 - 4 - 49 TOTAL MEAN HS(M) = 2.00 PHASE HAT BERLEN FERCEN	4.4- 6.1. 219 1976 1587 4274 1555 6461 1 20 252 20 252 396 . 10 	8 1 - 9 0 4 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD 10.6-7 10	1 3 3 1 5 2 1 3 3 1 5 1 3 3 1 5 1 3 3 3 1 5 1 3 3 3 3	15.6 15.6 15.6 15.6 15.6 15.6 15.6 15.6	18 2- 22 22 2 10 3 3	TOTAL TO
HEIGHT (METERS) 0 - 0 - 499 1 - 50 - 1 - 499 1 - 50 - 2 - 499 2 - 50 - 3 - 499 2 - 50 - 4 - 499 5 - 70 - 4 - 499 5 - 70 - 70 - 70 - 70 - 70 - 70 - 70 - 7	4 4 0 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 1 - 9 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD 10.6-7 10	1 3 3 1 5 2 1 3 3 1 5 1 3 3 1 5 1 3 3 3 1 5 1 3 3 3 3	15.6 15.6 15.6 15.6 15.6 15.6 15.6 15.6	18 2- 22 22 2 10 3 3	TOTAL DNGER 101 2257 22878 22878 149798 24798
HEIGHT (METERS) 0 - 0 - 499 1 - 50 - 1 - 499 1 - 50 - 2 - 499 2 - 50 - 3 - 499 2 - 50 - 4 - 499 5 - 70 - 4 - 499 5 - 70 - 70 - 70 - 70 - 70 - 70 - 70 - 7	4 4 0 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 1 - 9 0 4 5 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD 10.6-7 10	1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 1 5 1 1 1 1	15.4-1 15	18 2- 22 22.2 [0 3 3 10 MBER OF (0 SUMMARY 3N/121 3 3N/121 3 3	TOTAL DNGER 101 2257 22878 22878 149798 24798
HEIGHT (METERS) 0 - 0 - 499 1 - 50 - 1 - 499 1 - 50 - 2 - 499 2 - 50 - 3 - 499 2 - 50 - 4 - 499 5 - 70 - 4 - 499 5 - 70 - 70 - 70 - 70 - 70 - 70 - 70 - 7	4 4 0 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 1 - 9 0 4 5 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD 10.6-7 10	1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 1 5 1 1 1 1	15.4-1 15	18 2- 22 22.2 [0 3 3 10 MBER OF (0 SUMMARY 3N/121 3 3N/121 3 3	TOTAL DNGER 101 2257 22878 22878 149798 24798
HEIGHT (METERS) 0 - 0 - 499 1 - 50 - 1 - 499 1 - 50 - 2 - 499 2 - 50 - 3 - 499 2 - 50 - 4 - 499 5 - 70 - 4 - 499 5 - 70 - 70 - 70 - 70 - 70 - 70 - 70 - 7	4 d o d d d d d d d d d d d d d d d d d	8 1 - 9 0 4 5 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD 10.6-7 10	1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 1 5 1 1 1 1	15.4-1 15	18 2- 22 22.2 [0 3 3 10 MBER OF (0 SUMMARY 3N/121 3 3N/121 3 3	TOTAL DNGER 101 2257 22878 22878 149798 24798
HEIGHT (METERS) 0 - 0 - 49 1 - 0 - 49 1 - 0 - 49 1 - 0 - 49 2 - 0 - 1 - 49 2 - 0 - 2 - 49 3 - 0 - 3 - 49 4 - 0 - 3 - 49 5 - 0 - 4 - 49 5 - 0 - 4 - 49 TOTAL MEAN HS(M) = 2.00 PHASE HAT BERLEN FERCEN	4 - 0 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	8 1 - 9 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PER 6 - 5 1 1 - 6 - 5 1 1 1 2 2 2 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 3 3 1 5 1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 3 1 5 1 1 3 1 5 1 1 1 1	15.4-1 15.4-1 15.4-1 15.4-1 15.4-1 15.4-1 15.4-1 15.4-1 15.4-1 15.4-1 15.4-1 15.4-1 15.4-1 15.4-1 15.4-1 15.4-1 15.4-1 15.4-1	18 2- 22 22.2 LG 3 3 10 MBER OF G SUMMARY 3N/121 ST 300 METER CTION	TOTAL DNGER 1016 2257 22878 12878 12878 12878 1783 692 0 CASES = 51664

PHASE Waye A Lat Shore L Percen	3 ST. 121 PPROACH AI ON. START INE ANGLE TOCCURREI	20 *GLE(REL = 35.76N = 158.0 *CE(X100	YEAR HA ATÎVE Î 2121.41 (DEG.	VE DIR O SHOR W L AZ)	ECTION ELINE I AT. LON WATER AND PER	STATIS N DEGR DEPTH IOD BY	TICAL EES)= 35.6; = 10.6; DIRE	SUMMAF 105.0 3N/121 00 ME1 CTION	134.9 350 ERS	
HEIGHT(METERS)	4,4- 6,8		9.6- 10.5	PERIOD:	(SECOND 113.3	\$) 3.4- 1 15.3	5.4- ¹ 18.1	18.2- a 22.2	2.3- LONGER	TOTAL 9
99999999999999999999999999999999999999	180 300 10 9	3 6 3 9 54	5 • i	:	:	:	:	:	:	34 93 148 102
99999999999999999999999999999999999999	ž:	39 54 59 59 59 59 59 59 59 59 59 59 59 59 59	18	1 3	3 i		:			343824824 14968731
TOTAL MEAN HS(M) = 2.62	59 23 Largest		4ỏ 5.04	å MEAN	Ż TP(SEC)	6 − 7.	ó 9 NU1	Ö 1BER OF	Ö Cases =	_
PHASE WAYE A	3 ST. 121 PPROACH_A	IGLE (REL)	YEAR HA	VE DIR	ECTION ELINE I	STATIS N DEGR	TICAL EES)=	SUMMAR	Y 164.9	
	3 ST. 121 PPROACH AI ON. START: INE ANGLE T OCCURREI	= 35.76N. = 158.0 NCE(X100							ERS	
HEIGHT(METERS)	4,4- 6,	ō 8,1 ₅	9.6- 10.5	PERIOD 10.65 11.7	(SECOND 11.8- 1	§) 3.4- 1 15.3	5.4- 1 18.1	18.2- 2 22.2	2 3- LONGER	TOTAL
99999999999999999999999999999999999999	\$!	:	•	•	:	:	•	•	PH5-40000000
2.00 - 2.49 2.50 - 2.99 3.00 - 3.49	•									ō Q
2.500 - 2.499 2.500 - 3.499 4.500 - 4.99	:		:	:	:	:	:	:	•	0
TOTAL MEAN HS(M) = 0.84	6 ·	ን ዕ HS(M) =	Ó 1 52	Ó MEAN '	Ó TP(SEC)	.= 6.	Ó 1 Nim	Ó MRFD NE	Ö : CASES ≃	•
	CAROLDI	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2.50	115011		- 0.	_ 1101	iber of	UNULU -	•
PHASE MAYE A LAT. L SHOREL PERCEN	3 ST. 121 PPROACH AI ON. START INE ANGLE T OCCURRE	16LE(REL = 35.76N = 158.0 1CE(X100	YEAR WA ATIVE 1 121 41 (DEG.	VE DIR O SHOR MAZ) IEÎGHT	ECTION ELINE I AT LON WATER AND PER	STATIS N DEGR L END= DEPTH IOD BY	TICAL EES)= 35.6; = 10.6	SUMMAR 165.0 3N/121 00 ME1 CTION	180.0 35W ERS	
HEIGHT(METERS)	4,4- 6	lā 8,1.	9.6- 10.5	PERIOD:	SECOND 11.8- 1	5) 3,4- 1	5.4- 1 18.1	18,2- 2	2 3- LONGER	TOTAL
0.50 - 0.49 1.50 - 1.49 2.50 - 2.49	:		:		:	:	:	:	:	0
0.50 - 0.49 1.50 - 1.49 2.500 - 2.99 2.500 - 2.99	:		:	•	:	:	:	:	:	0
94999999999999999999999999999999999999	:		:	:	:	:	:	:	•	0000000000
4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	ò	ò	ò	ò	ò	Ò	Ċ	Ö	Ö	8
MEAN HS(M) = 0.	LARGEST	HS(M) =	0.	MEAN '	TP(SEC)	= 0.	NU	MBER OF	CASES =	. 0





HIS STATION 121 (35.76N/ 121.41H TO 35.63N/ 121.35H)

MONT	TU
MON	ın

	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E958566666666777777 E969696999999999	nanananananananananananananananananana	OG-TONIONALINANANANANANANANANANANANANANANANANANA	のからなすったったったったったったったったったったったったったったったったったったった	8078-1708200001000001107	67-787-151-6-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	0unn-m-1-7-9-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	חמוחות ביולים מינים מינים מינים מינים מינים מינים מינים מינים מינים מינים מינים מינים מינים מינים מינים מינים	Inches and the second of the s	THE THE THE THE THE THE THE THE THE THE	157-40-67-90-47-1517-1517-308-6	母のようないのないのないというないのかのいろいろいろいろいろいろいろいろいろいろいろいろいろいろいろいろいろいろ	NONTY TIPO OF THE BUILD OF 444	A 200-100-00-0-100-0-100-1000 E-1-100-1-1-1000-1-10000000000
MEAN	2.8	2.9	2.4	2.1	1.7	1.6	1.4	1.3	1.3	1.7	2.3	2.9	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 121 (35.76N/ 121.41H TO 35.63N/ 121.35H)

MONTH

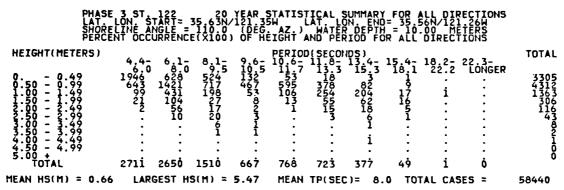
	MAL	FEB	MAR	APR	MAY	HUL	JUL	AUG	SEP	OCT	NOV	DEC
YEAR 1956 1957 1958	3:4	4.1 6.6 9.0	3.9 4.1	3.5	2.5	5.55 6.65 6.65 6.65	2.0 2.1 2.0	2.7 1.8 2.0	2.5 2.8	2.7 3.2 3.1	3.7 5.7	3.4 5.3
1367 1362 1362	9.7.00 1.00 1.00 1.00	75.4.4	73434	33333 3757 3757 3757 3757 3757 3757 375	Section of the sectio	unnino Uninio	7 620	1044	*50-1-	74344	7661	-080-IC
1964 1965 1967	44.80	7544	20070	20000	3370	33525	2.7 2.1 2.8	2.09 2.19 1.9	2222	2475	7475	0454
1368 1370 1371	3.9 5.2 5.2		4.0	4454	2.1.5	7.6000	7.62.3	2.0005	20107	90000	2454	5645
1373 1375	8:0 5:7	25.0 15.0 15.0	4.75 5.8	7442.7	3.02	3.5	3.7	25.41	2.5	3.07 43.4 3.4	7452	0046

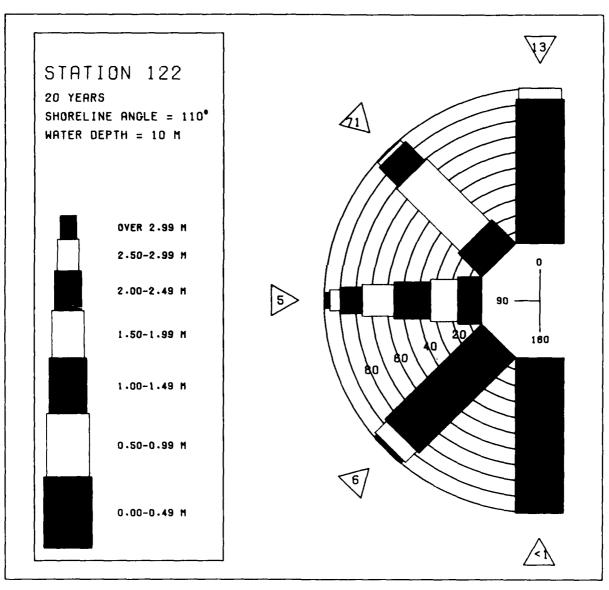
20 YR. STATISTICS FOR PACIFIC STATION121 (35.76N/ 121.41W TO 35.63N/ 121.35W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) HEAN PEAK WAVE PERIOD (SECONDS)	2.0
MEAN PEAK HAVE PERIOD HEIGHT (SECONDS) HOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES) STANDARD DEVIATION OF HAVE HS STANDARD DEVIATION OF HAVE TO (SECONDS) LARGEST HAVE HS (METERS)	2.0 10.3 60.0
STANDARD DEVIATION OF HAVE HE (METERS)	1:0
STANDARD DEVIATION OF HAVE TP (SECONDS)	1.0 2.7 6.6
HAVE TP ASSOCIATED WITH LARGEST HAVE HS : : : : : (SECONDS)	16:7
MANETE PASSOCIATED WITH LARGEST HAVE HS (SECONDS) AVERAGE DIRECTION SOCCURRENCE IS (YR, MO, DA, HAVE HS (BEGREES)	50047449
DATE OF LARGEST HS OCCURRENCE IS (TRING) DATER)	20040303

PHASE HAVE LAT SHORE PERCE	3 ST. 122 APPROACH AN LON. START= LINE ANGLE NT OCCURREN	GLE(RELATIVI 35,63N/121 = 110 0 (D) CE(X1000) O	WAVE DIRE TO SHORE 35W LA	CTION STATI LINE IN DEC LINE IN ENC HATER DEPT	(STICAL SUM SREES) = ()= 35.56N/] 1 = 10.00	MARY - 14.9 21.26W METERS	
HEIGHT(METERS)		- 01. 0.	PERIOD	ŚEĆONÓŻ)	15 4 10 C	22.7	TOTAL
0 0.49	.4- 6.1 5441 8.	0 891- 900 10	25 111.7 1	SECONDS) 13.3 15.3	118.1 122	2 LONGER	5441
0.50 - 0.99 1.00 - 1.49 1.50 - 1.99		:	:	: :	: :	:	0
2.00 - 2.49 2.50 - 2.49 3.60 - 3.49		•		: :			Ŏ
3:50 - 3:99 4:00 - 4:49		•			•	•	0000000
0.49 0.50 - 0.99 1.50 - 1.99 2.50 - 2.49 3.50 - 3.49 3.50 - 3.49 4.50 - 4.99 5.00 + 4.99 TOTAL MEAN HS(M) = 0.11	 5441 Ö	Ò	Ö	 0 0	ė ė	Ö	ŏ
MEAN HS(M) = 0.11	LARGEST	HS(M) = 0.3!	MEAN T	P(SEC) = 4	.7 NUMBER	OF CASES =	3180
PHASE WĄYE	APPROACH AN	GLE(PELATIVI	WAVE DIRE	CTION STATI	STICAL SUP	MARY	
SHORE PERCE	LUN. START= LINE ANGLE NT OCCURREN	GLE(RELATIVI 35.63N/121 = 110.0 CE(X1000) O	G AZ) HEIGHT A	T. LON. ENL WATER DEPTH ND PERIOD E)= 35.56N/] = 10.00 DIRECTIO	METERS	
HEIGHT(METERS)				SECONDS) 13.3 15.3			TOTAL
0.50 - 0.49 1.50 - 0.49 1.00 - 1.49	4,4- 6.1 7970 6042 5162 13706 221 3593	0 9.5 10 3304 4087 1158	5 11.7 1	13.3 15.3	18.1 22.	2 LONGER	17316
99999999999999999999999999999999999999	3182 13709 11 54	1158	•	: :		•	17316 22955 4978 11 <u>1</u>
2.00 - 2.49 2.50 - 2.49	. 5	•		: :		:	5
3.50 - 3.99 4.00 - 4.49		•	•				ŏ
4.50 - 4.99 5.00 + TOTAL	13370 23400	859 5	à	 	ė ė	Ò	0
MEAN HS(M) = 0.62		HS(M) = 2.19	MEAN TI	P(SEC) = 6	.8 NUMBER	OF CASES	= 26515
PHASE WAYE LATE SHORE PERCE	3 ST 122 APPROACH AN LON STARTE LINE ANGLE NT OCCURREN	GLE(20 YEAR GLE(RELATIVI 35.63N/121 =1100 CE(X1000) OI	WAVE DIRECTO SHORE LA LA LA LA LA LA LA LA LA LA LA LA LA	CTION STATI LINE IN DEG T. LON. END MATER DEPTH ND PERIOD E	(STICAL SUN REES)= 45 P= 35.56N/1 I = 10.00 BY DIRECTIO	MARY 20 - 74.9 21 - 26W METERS	
HEIGHT(METERS)			WAVE DIRECTO SHORE LA LA LA LA LA LA LA LA LA LA LA LA LA	CTION STATI LINE IN DEG T. LON. END WATER DEPTH MATERION E SECONDS) 1:8:13.4:			TOTAL
HEIGHT(METERS)			HAVE DIRECTOR SHORE AND LANGE OF THE COLUMN AND LANGE	CTION STATI LINE IN DEC TALEON ENIC MATER OFFI ND PERIOD E SECONDS) 1:80-13:4-3 18:3-3-14-3 18:3-3-18:8			
HEIGHT(METERS)			WAVE DIRECTOR STATE OF STATE O	CTION STATI LINE IN DEC THE LON ENT HATE SECONDS 1 13.3 15.3 18.3 15.3 18.9 824 2049 2549 2049	STICAL SUP REES) = 45 P = 35.56N/1 SY DIRECTIO 15.4- 18.2 15.1 22. 15.1 22. 174 1 167		TOTAL 4453 189458 2275 2275
HEIGHT(METERS)			HAVE DIRECTOR SHORE IN THE IGHT AND THE IGHT	SECONDS 1			
HEIGHT(METERS) 0.499			HAVE DIRECTOR STATE OF STATE O	CTION STATI LINE IN DEC THE LON EPITE THE LON EPITE THE LON EPITE SECONDS 1 4-3 18-9 135-4 18-9 2049 2049 2049 2049 2049 2049 2049 2049			44545 1874583 17722335 227355 227355 227355 227355 237355 237355 237355 237355 23735 2375 237
HEIGHT(METERS)		0 1- 10 0 1- 10 1943 1457 2989 52 1520 1- 1520 1- 1520 1- 1	PERIOD(- 10.6-1 - 10	SECONDS 1 4-3 15-3 15-3 15-3 15-3 15-3 15-3 15-3 15		2 23- 2 LONGER	
HEIGHT(METERS) 0.949 0.949 0.500 0.149 0.5000 0.749 0.749 0.7500 0.749	4.4- 6.1 342 657 266 357 248 15357 3 175 3	0 1- 10 0 1- 10 1943 1457 2989 52 1520 1- 1520 1- 1520 1- 1	PERIOD(- 10.6-1 - 11.7 - 5953 3 - 1033 - 133 - 133	SECONDS) 1.8.7 13.4 1.8.3 15.3 7.88 824 5.49 2049 5.50 186 1.57 186 1	15.4- 18.2 15.1 22. 90 16.7 50. 10. 50.	2 23- 2 LONGER	1972675 1972675 1972675 1972675 1972675 1972675 1972675
HEIGHT(METERS) 0.50 - 0.49 0.500 - 0.49 1.500 - 1.29 1.500 - 3.49 1.500 - 3.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.49 1.500 - 4.50 1.5	4,4- 6 1 342 6 357 241 5535 241 5535 357 357 357 357 357 357 357 357 357	0 8 0 1 - 9 0 0 1 - 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	PERIOD (1) 15 15 15 15 15 15 15 15 15 15 15 15 15	SECONDS) 13.3 15.5 18.9 13.5 18.9 20.49 55.0 20.49 55.0 18.6 15.7 18.6 15.7 18.6 10.0 19.0 27.0 381.2 P(SEC) = 10.0 CTION STATION DECOMES IN DE	15.4- 18.2 18.1 22. 150 174 1 167 10 509 14	2 23- 2 LONGER	44575875 18772875 20090
HEIGHT(METERS) 0.50 - 0.49 1.000 - 1.249 1.000 - 2.249 2.500 - 3.49 2.500 - 3.49 2.500 - 4.99 2	4,4- 6.1 342 6.3 266 3572 246 3573 3 177 3 1 	0 1- 10 0 1- 13 0 1- 1	PERIOD (1) 15 15 15 15 15 15 15 15 15 15 15 15 15	SECONDS) 13.3 15.5 18.9 13.5 18.9 20.49 55.0 20.49 55.0 18.6 15.7 18.6 15.7 18.6 10.0 19.0 27.0 381.2 P(SEC) = 10.0 CTION STATION DECOMES IN DE	15.4- 18.2 18.1 22 174 1 167 1 167 1 167 1 509 1 509 1 509 1 509 1 100 1 509 1 100 1 10	2 23- 2 LONGER 	1972675 1972675 1972675 1972675 1972675 1972675 1972675
HEIGHT(METERS) 0.50 - 0.49 1.000 - 1.249 1.000 - 2.249 2.500 - 3.49 2.500 - 3.49 2.500 - 4.99 2	4,4- 6.1 342 6.3 266 3572 246 3573 3 177 3 1 	0 1- 10 0 1- 13 0 1- 13 0 1- 13 0 1- 13 0 1- 13 0 1- 13 0 1- 15 0 1- 1	PERIOD (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SECONDS) 13.3 15.4 18.3 15.4 18.9 35.5 18.9 20.49 55.0 62.6 15.7 18.6 16.7 18.6 16.7 1	15.4- 18.2 18.1 22. 150 174 1 167 10 509 14	2 23- 2 LONGER 	44533 18975935 22975935 130 0 20090
HEIGHT(METERS) 0.50 - 0.49 1.000 - 1.249 1.000 - 2.249 2.500 - 3.49 2.500 - 3.49 2.500 - 4.99 2	4,4- 6.1 342 6.3 266 3572 246 3573 3 177 3 1 	0 1- 10 0 1- 13 0 1- 13 0 1- 13 0 1- 13 0 1- 13 0 1- 13 0 1- 15 0 1- 1	PERIOD (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SECONDS) 13.3 15.5 18.9 26.49 15.7 16.6 15.7 1	15.4- 18.2 167 167 167 10 509 10 509 10 509 10 509 10 10 10 10 10 10 10 10 10 10	2 23- 2 LÖNGER 3 OF CASES = MARY 104.9 METERS	44533 18975935 22975935 130 0 20090
HEIGHT(METERS) 0.50 - 0.49 1.000 - 1.249 1.000 - 2.249 2.500 - 3.49 2.500 - 3.49 2.500 - 4.99 2	4.4-0 6.57.257.557.5 1	0 1- 10 0 1- 13 0 1- 13 0 1- 13 0 1- 13 0 1- 13 0 1- 13 0 1- 15 0 1- 1	PERIOD (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SECONDS) 13.3 15.5 18.9 26.49 15.7 16.6 15.7 1	15.4- 18.2 167 167 167 10 509 10 509 10 509 10 509 10 10 10 10 10 10 10 10 10 10	2 23- 2 LÖNGER 3 OF CASES = MARY 104.9 METERS	44533 18975935 22975935 130 0 20090
HEIGHT(METERS) 0.50 - 0.49 1.000 - 1.249 1.000 - 2.249 2.500 - 3.49 2.500 - 3.49 2.500 - 4.99 2	4-0 34-2 4-2 34-2 35-7-3 3-5-7-3 3-6-4	- 8 9 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD (1) 5 1016-7 5 1056-7 5 1056-7 5 1056-7 6 MEAN TI WAYE DIRECTORS 35W AZ.) HEIGHT AN PERIOD (1) 5 11:6-7	SECONDS) 1.8.3 15.3 1.8.9 824 1.8.9 2049 1.5.7 186 1.5.7	15.4- 18.2 167 167 167 10 509 10 509 10 509 10 509 10 10 10 10 10 10 10 10 10 10	2 23- 2 LÖNGER 3 OF CASES = MARY 104.9 METERS	4970355509700 49703600 100 100 100 100 100 100 100
HEIGHT (METERS) 0.499	4-0 34-2 4-0 34-2 4-2 34-2 35-3 35-	- 8 94 97 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD (1) 5 1016-7 5 1056-7 5 1056-7 5 1056-7 6 MEAN TI WAYE DIRECTORS 35W AZ.) HEIGHT AN PERIOD (1) 5 11:6-7	SECONDS) 4-3 13-3 13-3 13-3 13-3 13-3 13-3 13-3 1	15.4- 18.2 167 167 167 10 509 10 509 10 509 10 509 10 10 10 10 10 10 10 10 10 10	2 23- 2 LÖNGER 3 OF CASES =	44533 18975935 22975935 130 0 20090

PHASE HAVE LAT SHORE PERCE	3 ST 1 APPROACH LON. STA LINE ANG NT OCCUR	22 ANGLE RT = 3 LE = 1 RENCE	20 Y (RELA :63N/ 10.0 X1000							Y - 134.9 26W ERS	
HEIGHT(METERS)	4,4-	6.1- 8.0	8,1-	9,6- 10.5	PERIOD:	SECOND 13.3	§) 3.4- 1 15.3	5.4- 1 18.1	8.2- 2 22.2	2.3- LONGER	70TAL 2857
0.50 0.50	4,4-0 2722 580 174 32	6 1 - 0 135 185 1585 2 3	94 34 6	3							275294 85294 20000
2.50 - 2.99 3.00 - 3.49 3.50 - 3.99 4.00 - 4.49	:	-3 :		•					•	•	000
4.50 - 4.99 5.00 + TOTAL		317	134	3	ċ	Ġ	Ö	ċ	Ò	ò	
MEAN HS(M) = 0.44	LARGE	ST HS	M) = 1	2.83	MEAN '	TP(SEC)	= 5.	1 NUN	MBER OF	CASES =	2325
PHASE WAYE LAT. SHORE PERCE	3 ST 1 APPROACH LON. STA LINE ANG NT OCCUR	22 ANGLE RT = 35 RENCE	20 Y (RELA 63N/ 10.0 X1000								
HEIGHT(METERS)	4,4- 650 2650	6.1 <u>-</u> 8.0	8 9.5	9.6- 10.5	PERIOD 10.6- 11.7	SECOND 13.3	5) 3.4- 1 15.3	5.4- 1 18.1	18.2- 2 22.2	2.3- LÖNGER	TOTAL
0.500	2650	:	•		:	:	:		:		2650 0 0
2.50 - 2.99 3.50 - 3.99 4.00 - 4.49	•	:	•	•		•		•	•	•	000000000
4.50 ~ 4.99 5.00 + TOTAL	2650	Ö	Ö	ó	ċ	ò	ò	Ó	Ô	Ó	•
MEAN HS(M) = 0.06	LARGE	ST HS	(M) =	0.18	MEAN '	TP(SEC)	= 4.	7 NUI	1BER OF	CASES =	1549
PHASE WAYE LAT SHORE PERCE	3 ST 1 APPROACH LON. STA LINE ANG NT OCCUR	22 ANGL! RT= 3! RENCE!	20 Y (RELA 5.63N/ 110.0 (X1000								
HEIGHT(METERS)	4.4- 6.0	6,1- 8.0	8 ₉ 1 ₋ 5	9.6- 10.5	PERIOD 10.6- 11.7	SECOND 13.3	S) 3.4- 1 15.3	5.4- 1 18.1	18.2- 2 22.2	2 3- LONGER	TOTAL
0.500 - 499 2.500 - 3.499 2.500 - 3.499 2.500 - 3.499 2.500 - 4.499 2.500 - 4.500 - 4.500 2.500 - 4.500 + 4.500 4.500 + 4.500 + 4.500 MEAN HS(M) = 0.	•	:	:	:	:	:	:	:	•	•	0000
3.99 3.50 - 3.99	•	:	:	•	:	:	:	:	:	:	000000000
4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	: ò	: ō	: ô	: ō	: ŏ	: o	: ō	: 0	: ò	: ò	0
MEAN HS(M) = 0.	LARGE	ST HS	(M) =	0.	MEAN	TP(SEC)	= 0.	NUI	1BER OF	CASES =	0





HIS STATION 122 (35.63N/ 121.35W TO 35.56N/ 121.26W)

HTHOM

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R678901033456789013345 4151556066666667777777 1590000999990000999000	17099070999999465044	00-+1-0-1-0000-1-000-1-00	68066088777087877000	778676199888968866886	67476766887668787878747	76675547986677688888	000000000000000000000000000000000000000	00000000000000000000000000000000000000	4-04-04-04-04-04-04-04-04-04-04-04-04-04	604604070440000000000000000000000000000	36648767796474868854	77.6785165280710898886	ME000000000000000000000000000000000000
MEAN	0.9	0.9	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.6	0.8	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 122 (35.63N/ 121.35W TO 35.56N/ 121.26W)

MONTH

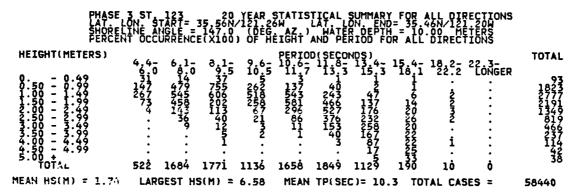
	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 A563566666666777777 E9999999999999999	ดามายายการสายการสายการสายการสายการสายการสายการสายการสายการสายการสายการสายการสายการสายการสายการสายการสายการสายก	0.0004944004000-1-4-0000		7073756959592064764722	3594444572465775686	ANTI-TOPTI-TITE THE THEFT OF THE THE THEFT OF THE THEFT OF THE THE THE THE THE THE THE THE THE THE		10010011110111101111111	8829-69-97-90-9-49-12-1-19-9-9-12-12-19-9-12-12-19-9-12-12-19-9-12-12-12-12-12-12-12-12-12-12-12-12-12-	77841216399644254070	GOUNDATH HINDER HELDONNIH	+5-14798-1920880-02599555

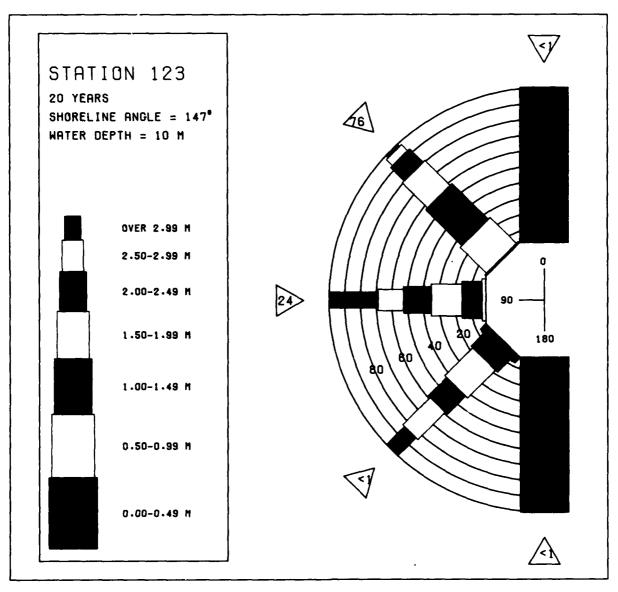
20 YR. STATISTICS FOR PACIFIC STATION122 (35.63N/ 121.35M TO 35.56N/ 121.26M)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD	0.7 8.0
MEAN PEAK WAYE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES) STANDARD DEVIATION OF WAYE HS (SECONDS) STANDARD DEVIATION OF WAYE TP (SECONDS)	0.5
STANDARÐ DEVIATION OF WAVE TP	2.18 5.1 9.1
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS VERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	59021606

PHA WAY LAY SHO PER	SE 3 ST 1 E APPROACH LON STA RELINE ANG CENT OCCUR	ANGLE RT= 35 LE = 1	20 YEA (RELATI ,56N/12 (1000)	R WAVE I VE TO SE 1 26W DEG AZ OF HEIGH	IRECTION TORELINE LAT LO TAND PE	STATIS IN DEGR N. END DEPTH RIOD BY	TICAL EES)= 35.46 = 10.6	SUMMA 0 121 0 HE TION	RY - 14.9 TERS	
HEIGHT(METERS)					OD (SECON 7 13.3					TOTAL
0 0.49	-6.0 -	6.1- 8.0	8,1- 9 9.5 1	6- 10.6 0.5 11	7 13.3	15.3	18.1	18.2- 22.2	22.3- LONGER	0
- 0.499 - 1.499 - 5000 - 2.499 2.5000 - 2.499	:	:	:	•	:	:	:	:	:	Ŏ
2:50 - 2:45 2:50 - 2:99	:	:	:	•	:	:	:	:	:	0000000
3:50 - 3:49 3:50 - 3:99	:	:	:	•	: :	:	:	:	:	Ŏ
4:50 - 4:99 5:00 +	:	:	•	:	•	:	:	•	:	Ŏ
TOTAL MEAN HS(M) = 0.	O LABOR	0 ST HS(1	0 M) = 0	0 ()	0 :) = 0.	O No re	0 1868 A	0 F CASES =	
11EAN 113(11) - V.	LARGE	.51 115(1	,, - v .	, ,,,,	W IFE SEC	,, - v .	, ,,,,,	IDER U	T CASES -	·
PHA	SF 3 ST. 1	23	20 YF4	D WAVE I	TRECTION	STATIS	TTCAL	SIIMMA	PY	
HÂV LAT	SE 3 ST 1 E APPROACH LON STA PRELINE ANG CENT OCCUR	ANGLE	RELATÎ , 56N/12	VE TO SI	IORELINE	IN DEGR	ÉÉŠ)=	15.0 N/121	``- 44.9 .20₩	
PER	CENT DCCUR	RENCE					DIREC	TIONE	TERS	
HEIGHT(METERS)	4,4-	6,1- 810	9,1 <u>-</u> 9	PER:	OD (SECON 7 13.3	DS) 13.4- 1	5.4- 1 18.1	8.2-	22.3- LONGER	TOTAL
0:50 - 0:49 0:50 - 0:99	1016	8;0 318	9.5 1	.0.5 11	7 13.3	15.3	18.1	22.2	LONGER	, 297
0.50 - 0.49 1.50 - 1.49 2.60 - 2.49	1416 70	408 56		•	•		:	:	:	1824 126
2.00 - 2.49 2.50 - 2.49	:	:	•	:	:	:	:	:	:	ŏ
3.50 - 3.99 4.50 - 4.49 4.50 - 4.99 5.00 +	:	:			•	:	:	:	:	ŏ
4.50 - 4.99 5.00 + TOTAL	2698	793	Å							8
MEAN HS(M) = 1.		/73 ST HS(1	u 4} = 1.	.99 ME	N TP(SEC	:) = 5.	.6 NUT	BER O	F CASES =	2043
PHA	SE 3 ST. 1	.23	20 YEA	R_WAVE_E	IRECTION	STATIS	STICAL	SUMMA	RY	
PHA Way Lat	SE 3 ST. 1 E APPROACH	23 ANGLE	ZO YEA	R WAVE I	IRECTION FORELINE LAT. LO	STATIS IN DEGR	TICAL EES)= -35,46	SUMMA 45.0 N/121	RY - 74.9 +284	
	SE 3 ST 1 E APPROACH LON STA PRELINE ANG CENT OCCUR		20 YEA (RELATI ,56H/12 47.0 (1000)				TICAL EES)= 35.46 = 10.0	SUMMA 45.0 N/121 10 ME TION	RY 74.9 -20W TERS	
PHA WAY LAT SHO PER HEIGHT(METERS)				PERI 2.6- 10.6	OD SECON	ne i				TOTAL
HEIGHT(METERS)				PERI 2.6- 10.6	OD SECON	ne i			RY 74.9 TERS 22.3- LÖNGER	TOTAL
HEIGHT(METERS)				PERI 2.6- 10.6	OD (SECON 7 13.3 7 10.7	ne i				TOTAL 6637 257697
HEIGHT(METERS)		6,1-		PER 0.6- 10.6 0.5 11	OD (SECON 7 13.3 7 10.7	ne i				TOTAL 6697497176
HEIGHT (METERS) 0.999 0.5000 - 12.499 2.5000 - 3.499 2.5000 - 3.499 3.500				PERI 2.6- 10.6	OD SECON	ne i				37.89338871 6873064215 651306421
HEIGHT(METERS)				PERI 2.6- 10.6	CO 11 1 10766852545	ne i				TOTAL 168768 125769 1130233 420067 11403 14003
HEIGHT (METERS) 0.999 0.5000 - 12.499 2.5000 - 3.499 2.5000 - 3.499 3.500	4.4- 6.0 439 4311 1583 4 13 1 		8 1 - 9 37 1 26 37 1 26 37 1 26 37 2 5 1 37 2 5 1 37 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PER 6 1 1 377 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	OD (\$ECON 11307 13107 140266 140266 150105 14035	D 1 4 3 7 3 3 5 4 3 7 3 3 3 5 4 3 7 3 3 3 5 4 3 7 3 3 3 5 4 3 7 3 3 3 5 4 3 7 3 3 5 5 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6	51115766571451109 -81157619225733	22 21117		87.8993387163 687.642350-6228 657.30.6423-43 12221
HEIGHT (METERS)	4.4- 6.0 439 4311 1583 4 13 1 	6 1 - 6 1 -	8 1 - 9 37 1 26 37 1 26 37 1 26 37 2 5 1 37 2 5 1 37 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PER 6 1 1 377 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	OD (\$ECON 11307 13107 140266 140266 150105 14035	D 1 4 3 7 3 3 5 4 3 7 3 3 3 5 4 3 7 3 3 3 5 4 3 7 3 3 3 5 4 3 7 3 3 3 5 4 3 7 3 3 5 5 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6	51115766571451109 -81157619225733	22 21117	22.3- LONGER : : : : : : : : :	87.8993387163 687.642350-6228 657.30.6423-43 12221
HEIGHT (METERS) 0 01-14299 0 01-14299 0 01-14299 1	46.40 43.9 43.11 15.83 1 1 1 22.95 15 15 15 15 15 15 15 15 15 15 15 15 15	6.1- 6.1- 12.3 146.6 7.3 146.6 7.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1	3.1- 9 3749 26 9758 55 9769 6 323 3 33 3 34 7 112	PER 1 177.66	TOD (\$1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	1 4 3 9 2 9 3 9 2 9 9 9 9 9 9 9 9 9 9 9 9 9	4-1-19-683-145-169 N	22-2 2-2 2-1-3-3 74 1BER 0	22.3- LONGER : : : : : : : :	87.8993387163 687.642350-6228 657.30.6423-43 12221
HEIGHT (METERS) 0 01-14299 0 01-14299 0 01-14299 1	46.40 43.9 43.11 15.83 1 1 1 22.95 15 15 15 15 15 15 15 15 15 15 15 15 15	6.1- 6.1- 12.3 146.6 7.3 146.6 7.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1	3.1- 9 3749 26 9758 55 9769 6 323 3 33 3 34 7 112	PER 1 177.66	TOD (\$1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	1 4 3 9 2 9 3 9 2 9 9 9 9 9 9 9 9 9 9 9 9 9	4-1-19-683-145-169 N	22-2 2-2 2-1-3-3 74 1BER 0	22.3- LONGER : : : : : : : :	87.8993387163 687.642350-6228 657.30.6423-43 12221
HEIGHT (METERS) 0 499999999999999999999999999999999999	46-0 43-9 42-13-3 12-83-3 13-13-3 13-13-3 22-95-15-3 20-95-15-3 20-95-15-3 20-95-15-3 20-95-15-3 20-95-15-3 20	6.1- 6.1- 12.3 146.6 7.3 146.6 7.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1.3 150.6 1	3.1- 9 3749 26 9758 55 9769 6 323 3 33 3 34 7 112	PER 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TO COLUMN TO COL	1 4 3 0 0 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	4-1-19-683-145-169 N	22-2 2-2 2-1-3-3 74 1BER 0	22.3- LONGER : : : : : : : :	168769 168769 17325507 17325507 173250
HEIGHT (METERS) 0 - 499 0 - 1122499 0 - 122499 1 - 1012499 1 - 10	460 430 431 1583 44 12183 42 13 1 2295 15 2295 15 2295 15 2295 15 2295 15 2295 15 2295 15 2295 15 2295 15 2295 15 2295 15 2295	6 1 - 0 123 7: 123 7: 1256 7: 1256 1: 1256 1:	3-1- 91 3-49 261 3-49 261 3-49 261 3-29 10 3-30 3 1 3-47 112 3-47 112 41) = 6.	PER 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TO COLUMN TO COL	1 4 3 0 0 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	4 119 68 314 510 9 10 11 11 11 11 11 11 11 11 11 11 11 11	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22.3- LONGER 	87.8993387163 687.642350-6228 657.30.6423-43 12221
HEIGHT (METERS) 0 .499 0 .499 0 .499 0 .499 0 .12.499 0 .500 0 .23.499 0 .499	460 430 4313 4313 4313 13 13 13 13 13 13 13 13 13 14 2295 15 2295 16 16 2295 16 2295 16 2295 16 2295 16 2295 16 2295 16 2295 16 2295 16 2295 16 2295 16 16 16 16 16 16 16 16 16 16 16 16 16	6 1 - 0 123 7: 123 7: 1256 7: 1256 1: 1256 1:	3-1- 91 3-49 261 3-49 261 3-49 261 3-29 10 3-30 3 1 3-47 112 3-47 112 41) = 6.	PER 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TOD 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11-19-60-71-45-100-9 NUT	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22.3- LONGER : : : : : : : :	1663 16896 25749 2130253 44667 1130253 42667 113033 54933
HEIGHT (METERS) 0 .499 0 .499 0 .499 0 .499 0 .12.499 0 .500 0 .23.499 0 .499	460 430 4313 4313 4313 13 13 13 13 13 13 13 13 13 14 2295 15 2295 16 16 2295 16 2295 16 2295 16 2295 16 2295 16 2295 16 2295 16 2295 16 2295 16 2295 16 16 16 16 16 16 16 16 16 16 16 16 16	6 1 - 0 123 7: 123 7: 1256 7: 1256 1: 1256 1:	3-1- 91 3-49 261 3-49 261 3-49 261 3-29 10 3-30 3 1 3-47 112 3-47 112 41) = 6.	PER 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TOD 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11-19-60-71-45-100-9 NUT	8.2. 2. 1 1 1 1 2 2 2 2 1 1 1 1 1 1 1 1 1	22.3- LONGER	1663 16896 25749 2130253 44667 1130253 42667 113033 54933
HEIGHT (METERS) 0 .499 0 .499 0 .499 0 .499 0 .12.499 0 .500 0 .23.499 0 .499	46.0 43.13 44 15.83 1 15.83 1 15.83 1 22.95 15 75 LARGE 22.95 15 75 LARGE	6 1 - 0 123 7: 123 7: 1256 7: 1256 1: 1256 1:	3-1- 91 3-49 261 3-49 261 3-49 261 3-49 27 3-30 3 1 3-47 112 3-47 112 41) = 6.	PER 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TOD 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11-19-60-71-45-100-9 NUT	8.2. 2. 1 1 1 1 2 2 2 2 1 1 1 1 1 1 1 1 1	22.3- LONGER	1663 16978 25749 113053 44087 113053 44087 114087 144087 1
HEIGHT (METERS) 0 .499 0 .499 0 .499 0 .499 0 .12.499 0 .500 0 .23.499 0 .499	4600 4400 4400 4400 1500 1500 1500 1500 15	6 1 - 0 123 7: 123 7: 1256 7: 1256 1: 1256 1:	3-1- 91 3-49 261 3-49 261 3-49 261 3-49 27 3-30 3 1 3-47 112 3-47 112 41) = 6.	PEOI 177.40.2011 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CO. 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1 - 3	4 119 68 314 510 9 10 11 11 11 11 11 11 11 11 11 11 11 11	8.2. 2. 1 1 1 1 2 2 2 2 1 1 1 1 1 1 1 1 1	22.3- LONGER	1663 16978 25749 113053 44087 113053 44087 114087 144087 1
HEIGHT (METERS) 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	4600 4400 4400 4400 1500 1500 1500 1500 15	6 1 0 7 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	91-5-15-61-5-2-5-2-5-2-5-2-5-2-5-2-5-2-5-2-5-2-5-	PER 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CO. 7 CO. 3	1 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11-19-60-71-45-100-9 NUT	22.2 211771133 74 0 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.3- LONGER	168769 168769 17325507 17325507 173250

PHASE AP LAVE AP LAVE AP SHORELT PERCENT	ST. PROÁCH N. ST/ NE ANO OCCUR	123 ANGLE 181 = 35 RENCE	20 YI RELA .56N/ .47.00 X1000	EAR WA TIVE T 121.26 (DEG.) OF H	VE DIR O SHOR W L AZ) IEIGHT	ECTION S ELINE II AT. LON WATER I AND PER	STATIS N DEGR END = DEPTH IOD BY	TICAL EES)= 35.46 = 10.0 DIREC	SUMMAR 105 0 N/121 0 MET TION	Y - 134.9 204 ERS	
	4.4- 6.0	6 à 1 ō	8,1- 9.5	9.6- 10.5	PERIOD 10.6- 11.7	(SECOND:	5) 3.4- 1 15.3	5.4- 1 16.1	8.2- 2 22.2	2.3- LONGER	TOTAL
99999999 494949494 601-1223334 1-1-1-1-1 50505050 501-1223334	30 30 11	5 25 55 11 147	15167 186	: i i 8 15	: : :	:	•	•	•		51179292 1119221
3.50 - 3.99 4.50 - 4.99 5.00 + Total Mean HS(M) = 2.48	: 85	: 310	184	26	1 3 5	: ò	: ò	Ċ	ć	: O	-1
MEAN HS(M) = 2.48	LARGI	EST HS	(M) = !		MEAN	TP(SEC)	= 7.	5 NUM	BER OF	CASES =	365
PHASE 3 HAVE AP LAT AD ERCENT	ST PROACI N. ST. NE ANI OCCUI	L23 H ANGLE ART 3 SLE = 1 RRENCE	20 Y RELA 56N/ 1470 X1000					TICAL LEES)= 31046 DIREC	SUMMAR 135.0 N/121 O MET TION	164.9 204 ERS	
HEIGHT(METERS)	4.4 <u>-</u> 6.0	6å1- 6	8;1 <u>-</u>	9.6- 10.5	PERIOD 10.6- 11.7	(SECOND	§) 3,4- 1 15.3	5.4- 1 18.1	8.2 <u>-</u> 2	2 3- LONGER	TOTAL
0.500 1.500 1.500 2.200 2.200 2.200 2.200	8 351.	i	•	•	•	:	:	•	:	:	139362000000
0.50 - 0.49 0.50 - 1.99 1.50 - 1.99 2.99	: : 17	: : ;	: : :	: :	: : :		: : •	: : ò	: : :	: : :	0000
MEAN HS(M) = 0.91	LARG	EST HS	(M) =	2.14	MEAN	TP(SEC)	= 5.	,5 NUM	BER OF	CASES =	16
PHASE AF WAYE AF LATOR EL PERCENT	ST PROAC N. ST N. ST OCCU	123 H ANGLI ART 3: TENCE	20 Y E(RELA 5.56N/ 1470 (X1000	EAR W/ TIVE 1 121.20 (DEG.	AVE DIR TO SHOR SW L AZ) HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATIS N DEGR END: DEPTH IOD BY	STICAL REES)= 35.46 DIREC	SUMMAR 165.0 N/121 0 ME1 TION	2Y - 180.0 - 20W ERS	
HEIGHT(METERS)	4,4ō 5i	6.1- 8.0	8,1- 9.5	9.6- 10.5	PERIOD 10.6-7	(SECOND	\$) 3.4- 1 15.3	15.4- 1 18.1	8.2- 2 22.2	2.3- LONGER	TOTAL
1.00 - 1.49 1.50 - 1.99 2.00 - 2.49	51	•	:	•	•	•	•	:	:	:	510000
- 1 4 5,000 000 000 000 000 000 000 000 000 00	:		:	:	:	:	:		:	•	Ŏ
TOTAL	5i	Ö EST HS	(M) =	0 0 22	Ö Mean	Ö TP(SEC)	.= 4	Ö .7 MUN	ė BFP N	Ö F CASES ≃	: 30
MEAN HS(M) = 0.09	LAKU	C31 113	(11) -	v. c c	HEAR	ir (JEC)	- 7	. , ,,,,,,,	DER U	JAVED -	



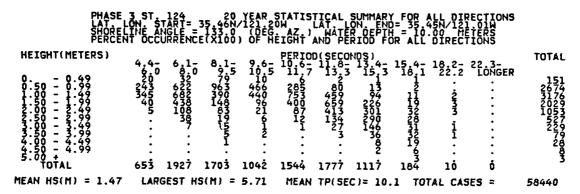


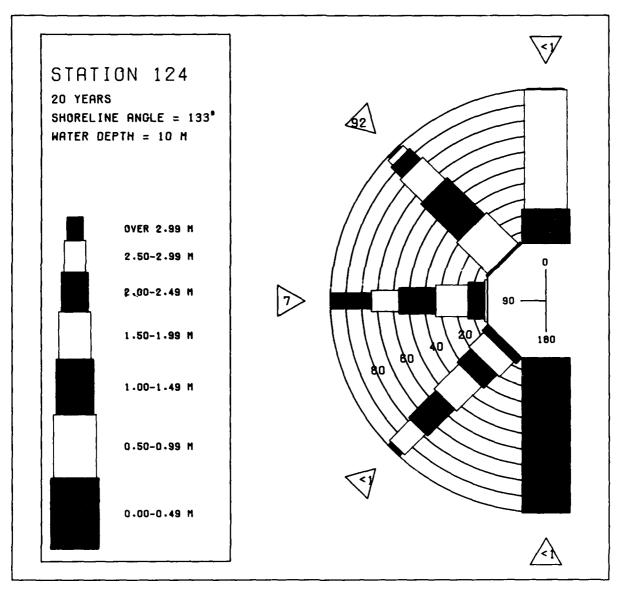
MEAN HS(METERS) BY MONTH AND YEAR WIS STATION 123 (35.56N/ 121.26H TO 35.46N/ 121.20H)

						MONT	H						
	JAN	FEB	MAR	APR	MAY	MUL	JUL	AUG	SEP	OCT	HOV	DEC	
R67890123456789012345 R67890909090909090909090909090909090909090	HOLD OF THE POST O	MOGNO-O-THIN-CHICANOCAMINANA MANAGEMENT AND AND AND AND AND AND AND AND AND AND	プロー・イナー・イン・イン・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	67-450-4-650-0-7-60-7-5-5-5-4	44-454-64-64-654-654-654-654-654-654-654	6mm40004150m-444m067-0m	101100111111111111111111111111111111111	71070070101010101011111111111111111111	011110011111111111111101110	242172467343608341463	6099-17-18-1-18-18-18-18-18-18-18-18-18-18-18-1	- Popularian Andronomian Andro	M-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
MEAN	2.5	2.5	2.1	1.8	1.5	1.4	1.2	1.1	1.1	1.4	2.0	2.5	
		HIS S	L OITATE	ARGES N 123		.56N/	S) BY			-		0H)	
						MONT							
VEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC	
R67890123456789012345 E95556666666777777 E95969999999999999	PANAGO 4 PARAGO	word and the submander of the submander	MANAGE CONTRACTOR CONT	HA-UNITED BOUNDARIOUS AND AND AND AND AND AND AND AND AND AND	いっとしているとうないのというというというというというというというというというというというというというと	Arthurananananananananananananananananananan	רמטיסומות מינים ולימולים מינים ולים 46796000007777077000000	באריים היים אים מים מים מים מים מים מים מים מים מים מ	48.647~+が80.677から2877から40	number subminiment as a second	HOLOGANANA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		
20 YR.	STAT	ISTIC	S FOR	PACI	FIC S	TATIO	N123	(35.5	6N/ 1	21.26	н то	35.46	N/ 121.20W)
MEAN FANDAMENT OF THE PROPERTY	IGNIFERED DE LA SER LA	ICANT AVE P NT 30 VIATI VIATI VIATI OCIAT ECTIO GEST	WAVE ERIOD ON OF ON OF ED WI NASS HS OC	HEIG GRÉE WAVE WAVE TH'LA OCIAT CURRE	CÉÉNT HS TP RÉEST ROUI NCE I	ĖR) Ó WĀVĖ TH LĀ S (YR	IŘEČT HS RGEST	ion B	AŇD :::		METER SECONE MECCER MECCER SECONE MECCER SECONE MECCER MECER MECE	\$1 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5	10.7 10.0 60.0 2.7 2.7 16.6 16.7 58040303

	3 ST 1: APPROACH LON. STAP LINE ANGI NT OCCUR	24 ANGLE (REL RT = 35.46N RENCE (X100	YEAR WA ATIVE T /121.20 (DEG.	VE DIRE O SHORE W L/ JEIGHT	ECTION ST LINE IN LT LON WATER DE AND PERIO	ATISTICA DEGREES) END= 35; PTH = 10 D BY DIR	L SUMMA 45N/121 45N/121 ECTION	RY - 14.9 TERS	
HEIGHT(METERS)	4.4- 6.0	8,1- 8,1- 8.0 9.5	9.6- 10.5	PERIOD(10.6-)	SECONDS) 13.3 15	4- 15.4- .3 18.1	18.2-	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	34 :			:			:	:	34 0
014(2)3949 014(2)3949 014(2)3949 0016(2)39	•		:	:	•			:	340000000000
23.35.44 24.94.99 25.25.35.44 25.25.35.44 25.25.35.35 25.25.35.35 25.25.35 25.35.35 25.35.35 25.35.35 25.35.35 25.	•	: :	:	:	:		:	:	Ŏ
4.50 - 4.99 5.00 + TOTAL	34	 0 0	ò	ò	ò	i i	ċ	ò	Ŏ
MEAN HS(M) = 0.14	LARGES	ST HS(M) =	0.47	MEAN T	P(SEC) =	4.6 N	•	F CASES =	20
PHASE WAVE	3 ST. 12 APPROÁCH LON. STAR	ANGLE(REL T= 35.46N E= 133.0 ENCE(X100	YEAR WA	O SHORE	CTION ST	ATISTICA DEGREES)	L SUMMAI	RY 	
SHÖRE! PERCE!	TÎNÊ ÂNGÎ NT OCCURR	ENCE(X100							
HEIGHT(METERS)	4,4- 6	al- 8.1-	9.6- 10.5	PERIOD(\$ECONDS) 13.3 15	4- 15.4-	18,2-	22.3-	TOTAL
99999999999999999999999999999999999999	4.4-0 14-7 235248 235208	81- 81- 873 32 677 231 203 111 234 3	:	:	:		:	:	452 7167
19499999999999999999999999999999999999	208 2	33 -51 24 - 3	:	:	•	: :	:	:	633 633 633 633 633 633 633 633 633 633
	•	6 :	:	:	:	· :	:	•	60
4.00 - 4.49 4.50 - 4.99 5.00 +	:	: :	•	•	•	•	:	•	0
TOTAL MEAN HS(M) = 1.14	6049 133 LARGES	323 428 3T HS(M) =	0 2.96	Ö MEAN T	0 P(SEC) =	0 0 6.5 N	0 JMBER 01	0 F CASES =	11576
PHASE WAYE LAT SHOREI PERCEN	3 ST 12 APPROACH ON STAR INE ANGL IT OCCURR	4 ANGLE (REL T= 35.46N E= 133.0 ENCE (X100	YEAR WA ATIVE TO 121.201 (DEG.	VE DIRE O SHORE W LA AZ) EIGHT A	CTION ST LINE IN T. LON WATER DE NO PERIO	ATISTICA DEGREES) END= 35.0 PTH = 10 D BY DIR	L SUMMAN 45.0 45N/121 00 ME ECTION	RY 	
HEIGHT(METERS)			YEAR WA ATIYE TO 121 201 0 OF HI	VE DIRE O SHORE MAZ LA EIGHT A PERIOD(10,6,71	CTION ST LINE IN LINE IN HATER DE ND PERIO SECONDS)				TOTAL
HEIGHT(METERS)			YEAR HAY ATTYE TO 121 20 0) OF H 906- 106- 4668	VE DIRE O SHORE AZJA EIGHT A PERIOD(1 11167 2852	CTION ST LINE IN T. LON DE HATER DE ND PERIO SECONDS) 1:3:5: 8:07 13:		18.2- 1 22.2		_
HEIGHT(METERS)			YEAR WATER TO THE TOTAL TO THE	VE SHOREA SHOREA A SHOREA A SH	TION 100 93 1 134 660 120 120 120 120 120 120 120 120 120 12		18.2- 1 22.2 1 20		TOTAL 195689 1968927
HEIGHT(METERS)			YEAR E 100 HI 121 E HI 121 E HI 100 B H	VE SHOLA E SHOLA E SHOLA E I GENERAL E I	SECONDS) 13.5134 19.2600 11.3.5 20.07 20.0	4 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5	18.2- 1 22.2 1 20		_
HEIGHT (METERS) 0.499	4 - 10 14115 156230 · · · · ·	8 9 1 5 7 6 6 4 7 9 7 6 6 1 7 7 6 8 9 1 7 7 7 7 7 7 7 6 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	91065791113	PERIOD (10-7) 116-8-2-4 25-32-2-4 25-32-2-4 27-32-2-1 28-32-2-3-1 28-32-2-3-1	51.3.51.3.6.6.09.5.6.7.1.3.2.0.8.9.4.5.7.2.0.8.9.4.5.7.3.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6	-1132-15495-137 -812-1928-12967 51 1-1325-137 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18.2- 1 22.2		_
HEIGHT(METERS)	4.4-0 6 18 16 18 20 15 30 20 17 8 48	8 - 1 - 8 - 1 - 5 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6	9.6.5 10.68 46.68 46.75 201 3 · · · · · · · · · · · · · · · · · · ·	PERIOD (11 1 1 2 8 5 3 9 7 2 3 9 7 2 3 5 4 5 4 5 6 1 7	SECONDS3: 153 153 153 153 153 153 153 153 153 153	4.3 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	18.2- 1 22.2 20 34 18 10 11 114	223- LÖNGER : : : :	1926898257374 192689825737737 20199480737737
HEIGHT (METERS) 0.499 1.500 - 1.499 1.500 - 1.999 1.500 - 3.499 1.500 -	4,4- 6 6 16 18 16 803 15 2	8 9 1 5 7 6 6 4 7 9 7 6 6 1 7 7 6 8 9 1 7 7 7 7 7 7 7 6 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.66.5 46.67.5 46.67.5 46.67.5 46.67.5 46.67.5 10.34.3 10.34.3 10.34.3 11.1 11.1 11.1 11.1 11.1 11.1 11.1	PERIOD 1 100-7 168208235 27599725 27599725 27599725 27599725 2759972 275972	SECOND 13:51-34:50-51-32:51-32	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18 2-2 20 30 30 34 10 11 114 MBER OF	22.3- LONGER 	1956882573774537 1926882573774537 221942272 231942273774537 4556825737745377
HEIGHT (METERS) 0. 0.499 1.500 - 1.499 1.500 - 2.499 2.500 - 3.499 4.500 - 4.999 5.00 - 4.999 5.00 - 4.999 5.00 - 4.999 FOTAL MEAN HS(M) = 1.53 PHASE ALSHOREL SHOREL HEIGHT (METERS)	4.4-0 6 16 15 15 15633 1 15 176 48 176 48 178 48 17	1- 8.1-5 8-7-6 8-7-6 8-7-6 8-7-6 13-7-6 13-7-6 10-5	9.66.5 46.67.5 46.67.5 46.67.5 46.67.5 46.67.5 10.34.3 10.34.3 10.34.3 11.1 11.1 11.1 11.1 11.1 11.1 11.1	PERIOD 1 100-7 168208235 27599725 27599725 27599725 27599725 2759972 275972	SECOND 13:51-34:50-51-32:51-32	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18 2-2 20 30 30 34 10 11 114 MBER OF	22.3- LONGER 	1926898257374 192689825737737 20199480737737
HEIGHT (METERS) 0. 0.499 1.500 - 1.499 1.500 - 2.499 2.500 - 3.499 4.500 - 4.999 5.00 - 4.999 5.00 - 4.999 5.00 - 4.999 FOTAL MEAN HS(M) = 1.53 PHASE ALSHOREL SHOREL HEIGHT (METERS)	4,4-0 6,4-0 1,8-0 1,8-0 1,8-0 1,7-8-4 1,8-8-4	1- 8.1-5 47 9368 9368 13769	9.06.5 46.67.5	PERIOD 1 PERIOD 1	SECOND 13:5:13:40:60:00:13:5:13:40:60:00:13:5:13:40:60:13:60	4 - 1 5 8 1 5 3 2 5 1 5 5 5 1 6 3 5 5 6 5 1 6 5 6 5 1 6 5 6 6 6 6 6 6 6 6	18 2-2 20 30 30 34 10 11 114 MBER OF	22.3- LONGER 	104390 10519097 1051907
HEIGHT (METERS) 0. 0.499 1.500 - 1.499 1.500 - 2.499 2.500 - 3.499 4.500 - 4.999 5.00 - 4.999 5.00 - 4.999 5.00 - 4.999 FOTAL MEAN HS(M) = 1.53 PHASE ALSHOREL SHOREL HEIGHT (METERS)	4,4-0 6,4-0 1,8-0 1,8-0 1,8-0 1,7-8-4 1,8-8-4	1- 8.1-5 47 9368 9368 13769	9.06.5 46.67.5	PERIOD 1 PERIOD 1	\$1.53.60094567.1 \$1.53.60094567.1 \$2.500.74567.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.200945.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.74	4-3 15.6.4.1 15.6.4.1 15.6.2.3.2.1.2.1.2.2.3.2.2.2.3.2.2.2.3.2	18 2-2 20 30 30 34 10 11 114 MBER OF	22.3- LONGER 	104390 10519097 1051907
HEIGHT (METERS) 0. 0.499 1.500 - 1.499 1.500 - 2.499 2.500 - 3.499 4.500 - 4.999 5.00 - 4.999 5.00 - 4.999 5.00 - 4.999 FOTAL MEAN HS(M) = 1.53 PHASE ALSHOREL SHOREL HEIGHT (METERS)	4,4-0 6,4-0 1,8-0 1,8-0 1,8-0 1,7-8-4 1,8-8-4	1- 8.1-5 47 9368 9368 13769	916574013 · · · · · · · · · · · · · · · · · · ·	PERIOD 1 4641 PERIOD 1 4641 PERIOD 1 4641 PERIOD 1 4641 PERIOD 1 4641 PERIOD 1 4641 PERIOD 1 4641 PERIOD 1 4641 PERIOD 1 4641 PERIOD 1 4641 PERIOD 1 4641 PERIOD 1 4641	\$1.53.60094567.1 \$1.53.60094567.1 \$2.500.74567.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.200945.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.745.2009457.1 \$1.500.74	4-3 15.6.4.1 15.6.4.1 15.6.2.3.2.1.2.1.2.2.3.2.2.2.3.2.2.2.3.2	18 2-2 20 30 30 34 10 11 114 MBER OF	22.3- LONGER 	104390 10519097 1051907
HEIGHT (METERS) 0.499 1.500 - 1.499 1.500 - 1.999 1.500 - 3.499 1.500 -	4 6 1 1 5 4 8 5 1 4 7 6 1 1 5 8 2 1 4 7 6 1 1 5 8 2 1 7 8 AC	1-0 8.1-5 444 9.368 9.368 9.368 1.3968 1.	9.06.5 46.67.5	PERIOD 1 PERIOD 1	SE 23 24 3 1 1 7 2 23 24 3 6 7 7 2 25 25 1 3 2 6 6 7 7 7 8 2 6 7 7 7 8 2 7 7 9 2 7 9 2 7	4-3 15.8 15.8 15.8 15.8 15.8 15.8 15.8 15.8	18 2-2 20 30 34 8 10 11 114 114 114 115 15 N/1 21 10 10 10 10 10 10 10 10 10 10 10 10 10	22.3- LONGER 	1956882573774537 1926882573774537 221942272 231942273774537 4556825737745377

PHASE HAVE AL LAT LAT L PERCENT	ST. 124 PPROACH A DN. START INE ANGLE COCCURRE	NGLE(REL) = 35,46N = 133.00 NCE(X100								
HEIGHT(METERS)	46.0 6	1.0 8,1 ₅	9.6- 10.5	PERIOD(10.6-1	\$EÇOND 1 .8- 1 13.3	\$) 3.4- 1 15.3	5.4- 1 18.1	8.2- 2: 22.2	2.3- LÖNGER	TOTAL
0.50 - 0.49 1.50 - 1.49 1.50 - 1.99	32 51	· 30 5 1 11	: i	:	:	:		:	:	38 47 74
27999999999999999999999999999999999999	1 9	5 11 17 18 29 18 18 18 18 18 18 18 18 18 18 18 18 18	: \$:	:	:	:	:	:	087 1474384421 11512
00.49 0.50 - 0.49 1.500 - 1.49 1.500 - 2.49 2.500 - 2.49 3.500 - 3.49 4.500 - 4.99 4.500 - 4.99 5.001 + 4.99 TOTAL	; 97 23	· i	i ė	: •	: ò	: ò	ċ	: ò	: ò	i
MEAN HS(M) = 2.28	LARGEST	' HS(M) =	5.38	MEAN T	P(SEC)	= 7.	1 NUM	BER OF	CASES ≈	272
PHASE AF LATE AF SHORE C PERCENT	S ST 124 PROACH A DN STARI INE ANGLE OCCURRE	NGLE(REL = 35,460 = 133.0 NCE(X100							Y - 164.9 01W ERS	
HEIGHT(METERS)	4,4- 6 150 6	1- 8,1-	9.6- 10.5	PERIOD(10.67 1 11.7	SECOND 1 8 - 1 13.3	5) 3.4- 1 15.3	5.4- 1 18.1	8.2- 2: 22.2	2.3- LÖNGER	TOTAL
- 0.49 - 0.49 - 1.49 - 1.249 - 1.500 - 1.249 - 1.5000 - 2.33 - 2.5000 - 2.33 - 2.5000 - 4 - 3.5000 15 6 3	<u>i</u> :	:	•	:	:		:	:	150730000000	
0.500 	:		:	:	:	:	:	:	•	0000
4:50 - 4:33 5:00 + TOTAL	: 2 4	: : i ò	; ò	; ò	: ò	: ò	: ò	: ò	: ō	0
MEAN HS(M) = 0.65	LARGEST	HS(M) =	1.60	MEAN T	P(SEC)	= 5.	3 NUM	BER OF	CASES =	16
PHASE A HAYE AC SHORELY SHORELY	ST 124 PROACH A ON START INE ANGLE OCCURRE	NGLE(REL = 35.46N = 133.0 NCE(X100	YEAR WA ATÎYE T ÎZÎ 20 O OF H	VE DIRE O SHORE W LA AZ) EIGHT A	CTION LINE I T LON WATER ND PER	STATIS N DEGR END= DEPTH IOD BY	TICAL EES)= 35,45 = 10.0 DIREC	SUMMAR 165.0 N/121 0 MET TION	Y - 180.0 010 ERS	
HEIGHT (METERS)		1- 8,1- 0.0 9.5		PERIOD(10.6-1 11.7					2.3- LÖNGER	TOTAL
0.50 - 0.49 1.50 - 1.49 1.50 - 2.49	•		•	:	•	:	:	•	:	0000
2.00 - 2.49 2.500 - 3.49 3.600 - 3.49	•		•	•			:		:	000000000000000000000000000000000000000
0.50 - 0.49 1.50 - 1.499 1.500 - 1.249 2.500 - 2.349 2.500 - 3.49 3.500 - 3.49 4.500 - 4.99 5.00 + 1.000 TOTAL	:	: :	• •	•	•	:	:	•	•) 0000
MEAN HS(M) = 0.	U LARGEST	0 0 (HS(M) =	0.	0 MEAN T	O P(SEC)	° 0.	O NUM	0 BER OF	O CASES =	0





MIS STATION 124 (35.46N/ 121.20W TO 35.45N/ 121.01W)

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П	UN.	ın	

							••						
	JAN	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC	
Y1111111111111111111111111111111111111	9-05-09-69-7-02-0-69-580-62-51	9-657-4-0047-8-60-7-69-6-88	47-67-19-67-8805599-987-187	440m6cumn64446098m180	WINDHALL BUTTON OF THE PARTY OF THE	אוויים אוויים ביים מיים ביים מיים ביים מיים ביים מיים ביים ב	98998709490921011542	1988879818988999041416	010100111001100010110	17704004401060150090MI	MONINY 4007 OMININO 4 NOOM	0030077402130130130457	Managana da da da da da da da da da da da da da
MEAN	2.1	2.1	1.7	1.5	1.3	1.2	1.0	0.9	1.0	1.2	1.6	2.1	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 124 (35.46N/ 121.20W TO 35.45N/ 121.01W)

MONTH

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV	DEC
099001751-1074517-84451515-00 2177-1-1074517-84451515-00 2177-1-1074517-84451515-00 2177-1-1074517-85555556666666666666666666666666666666	45044775627577555005

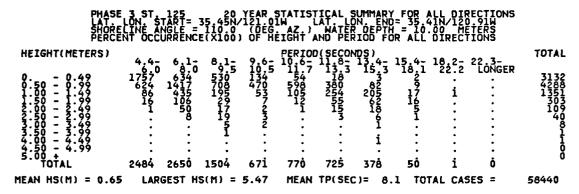
20 YR. STATISTICS FOR PACIFIC STATION124 (35.46N/ 121.20W TO 35.45N/ 121.01W)

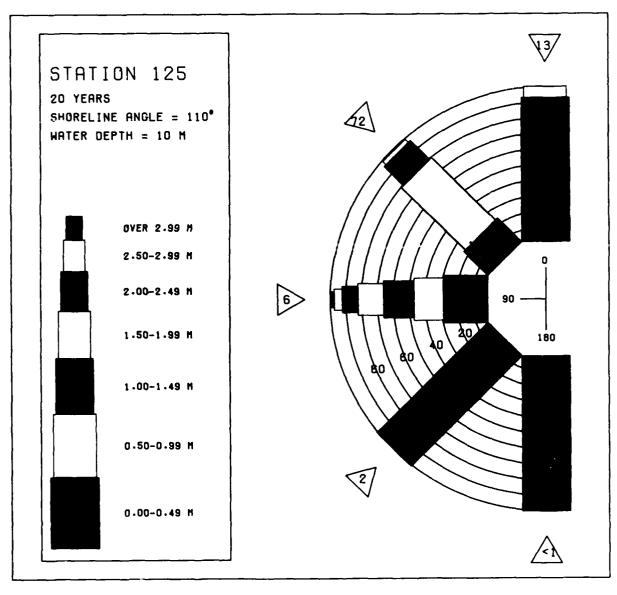
The state of the s	10 ZEZ:01N
MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAVE PERIOD MEAN PEAK WAVE PERIOD MOST FREQUENT 30.0 DEGRÉE (CENTÉR) DIRECTION BAND (DEGREES) STANDARD DEVIATION OF WAVE HS (METERS) STANDARD DEVIATION OF WAVE HS (METERS) LARGEST WAVE HS LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) MAYE TP ASSOCIATED WITH LARGEST WAVE HS	10.10 100.78 100.78 15.77
LARGEST WAYE HS WAYE TP ASSOCIATED WITH LARGEST WAYE HS (METERS) WAYER OF DIRECTION ASSOCIATED WITH LARGEST WAYE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	69121312

PHASE WAYE LAT SHORE SHORE	3 ST 125 APPROACH AN LON, STARTE LINE ANGLE NT OCCURREN	20 YEA GLE(RELATI 35,45N/12 = 110.0 (CE(X1000)	R WAVE DIR VE TO SHOR 1.01W DEG. AZ.) OF HEIGHT	ECTION STATELINE IN DELLA PROPERTY OF PROP	ISTICAL GREES)= ID= 35.4 H = 10. BY DIRE	SUMMARY 0 1N/120 10 METI CTION	14.9 71W ERS	
HEIGHT(METERS)				(SECONDS) 11.8- 13.4 13.3 15.				TOTAL
0 0.49 0.50 - 0.99	4,4- 6,1 544i 8.	0 8,1- 9 5 1	0.5 11.7	13.3 15.3	3 18.1	22.2 T	LÖNGER	544]
1.00 - 1.49	•	•			:	:	:	Ŏ
2.50 - 2.49 3.00 - 3.49		•	: :		:	:	:	Ö
1.5000000000000000000000000000000000000	•	•	: :	: :	:	•	•	ò
5:00 + TOTAL	544i (ò	 0 0		ò	Ö	Ō	ŏ
MEAN HS(M) = 0.11	LARGEST	HS(M) = 0.	35 MEAN	TP(SEC) =	4.7 NU	MBER OF	CASES =	3180
PHASE WAVE	3 ST. 125	GLE(RELATI	R WAVE DIR	ECTION STATE	ISTICAL GREES)=	SUMMARY	44.9	
SHORE PERCE	3 ST 125 APPROACH AN LON. STARTE LINE ANGLE NT OCCURREN	= 110.0 (EE(X1000)	DÉG. AZ.) OF HEIGHT	MATER DEP	H = 10. H = 10. BY DIRE	IN/120 (00 METI CTION	RS	
HEIGHT(METERS)				(SECONDS) 11.8- 13.4: 13.3 15.				TOTAL
0 0.49	4,4- 6,1 7980 6095 5167 1375 227 3591	0 9 5 1 3347 4091 1158	0.5 11.7	13.3 15.	3 18.1	`22.2 `i	ÖNGER	17422
- 49 0 : 49 0 : 499 1 : 500 0 : 500	227 13591 11 54	1158		: :	:	:	:	17422 22979 4976 111 0
2.00 - 2.49 2.50 - 2.49 3.60 - 3.49		•	: :	: :	:	:	:	0
3:50 - 3:99 4:00 - 4:49 4:50 - 4:99	•				:		:	U
0. 49 - 0. 49 - 0. 49 - 0. 19 - 0. 19 - 19	13385 23466	8642	 0 0	 Ó Ó	Ō	Ö	Ö	0
MEAN HS(M) = 0.62	LARGEST	HS(M) = 2.	19 MEAN	TP(SEC) =	6.8 NU	1BER OF	CASES =	26590
PHASE HAYE LAYE SHORE PERCE	3 ST 125 APPROACH AN LON START LINE ANGLE LINE ANGLE ENT OCCURREN	GLE(20 YEA GLE(RELATI : 35.45N/12 = 110.0 (CE(X1000)	R WAVE DIR VE TO SHOR 1 01W 1 DEG AZ.) OF HEIGHT	ECTION STATELINE IN DE LAT. LON. EL MATER DEP AND PERIOD	ISTICAL GREES)= (D= 35.4 (H = 10.6 BY DIRE	SUMMAR) 45 0 10/120 1 00 METI CTION	74.9 714 ERS	
PHASE WAYE LAT SHORE PERCE HEIGHT(METERS)			R WAVE DIR YE TO SHOR 1001W TO DEG HEIGHT PERIOD 16 1016	ECTION STATELINE IN DE LAT. LON. EN LAT. LON. EN LATER DEP AND PERIOD (SECONDS) 1118- 1314:	ISTICAL GREES)= 10= 35.4 H = 10. BY DIRE			TOTAL
HEIGHT(METERS)			R WAVE DIR VE TO SHOP DEG AZ.) OF HEIGHT OF 1016-7 005 549 002 5980	ECTION STAN ELINE IN DEP ALL LON EP AND PERIOD OCCUPANT 11:00 15:00 11:00 15:00 15:00 15:00 15:00 15:00 15:00 15:00 15:00 15:00 15:00 15:00 15:00 15:00	ISTICAL GREES)= 40= 35.4 (H= 10.6 BY DIRE 15.4- 18.1 20			
HEIGHT(METERS)			R WAVE DIR YE TO SHOR DEGIN AZ. DEGIN	ECTION IN EPO ELLINEON DEPO WATER DEPO WATER DEPO WATER DEPO WATER DEPO WATER DEPO 1 1 1 3 4 4 5 4 5 4 5 4 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ISTICAL GREES)= ID= 35.4. H = 15.4. BY DIRE 15.4- 20 174 167			
HEIGHT(METERS)			R WAYE DIR TO SHOR LEG HEIGHT OF HEIGHT OF 1016-7 106-5 1940 107-8 105-8 107-8	ECTION IN ENERGY OF THE COLUMN AND PERIOD 11:30:31:41:40:41:	ISTICAL GREESS: 4 H = 35.4 H = 31.4 H = 15.4 B Y DIRE 15.4 20 174 167 167 167 167	SUMMAR) 1N/120 0 1N/120 0 1N/120 0 10 0 METI 22 0 22 0 11 5		TOTAL 4515 19036 197316 2039 2099
HEIGHT(METERS)			R WAYE SHOR TO	ECTION IN EPO N IN EP	ISTICAL GREES = 4 DE = 35 d. H = 16 d. BY DIRE 18 d = 1 90 174 167 167 167			4515 19038 7775 2316 639 209 24
HEIGHT(METERS)		0 8 9 1 4 7 5 1 4 7 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R WAYE SHORT TO SHOTT TO SHORT TO SHORT TO SHORT TO SHORT TO SHORT TO SHORT TO SHORT TO SHORT TO SHORT TO SHORT TO SHORT TO SHORT TO SHORT TO SHORT	ECTION IN ENERGY IN EACH IN EA	ISTICAL GREESS 5 HD = 35 4 HD = 35 4 HD = 15 4 15 4 - 1 20 174 167 167 167 167 167 167 167 167			
HEIGHT(METERS) 0 0.49 1.500 - 1.49 1.500 - 2.49 2.500 - 2.49 3.500 - 3.49 3.500 - 3.49	4.4- 6.1 357 357 285 357 248 547 3 186 3 186 3 186 3 186 3 186	0 8 9 1 4 7 5 1 4 7 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOL PE	SECONDS) 1136-1334 135-1354 189-1354 189-1355 1899-1355 1899-1355 18546 18546-1355 18546 18	15.4- 3 18.1 90 174 167 53 10	18.2- 21 22.2 1 11 5 	3- LÔNGER : : : : : : : : : :	45158 1903756 20022 21130 2002 2002 2002 2002 2002 20
HEIGHT(METERS) 0 0.49 1.50 - 1.49 1.50 - 2.49 2.50 - 2.49 3.50 - 3.49 3.50 - 3.99 4.50 - 4.99 5.00 - 4.99 TOTAL MEAN HS(M) = 0.90	4.4- 6.1 357 357 285 357 248 547 3 186 3 186 3 186 3 186 3 186	0 8 9 1 5 1 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	PERIOD 0 6 - 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	113.3 14.1 13.4 13.4 13.4 13.4 13.4 13.4	15.4- 12.0 17.0 17.7 16.7 10.0 51.4 10.9 NUI	18 2- 22 22.2 11 5 16 MBER OF SUMMARY 1750 10/ 120 10/ 120	CASES =	45158 1903756 20022 21130 2002 2002 2002 2002 2002 20
HEIGHT(METERS) 0 0.49 1.50 - 1.49 1.50 - 2.49 2.50 - 2.49 3.50 - 3.49 4.50 - 4.99 5.00 - 4.99 5.00 - 4.99 FOTAL MEAN HS(M) = 0.90 PHASE WAYE SHORE PERCE	4.4-0 8 357 357 2865 357 2866 546 3 186 3 186 3 186 959 156 0 LARGEST	- 8 9 1 5 1 3 7 5 1 4 7 5 1 3 7 7 7 6 6 1 3 7 7 7 6 6 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERIOD 0 6 - 10 10 10 10 10 10 10 10 10 10 10 10 10	113.3 14.1 13.4 13.4 13.4 13.4 13.4 13.4	15.4- 12.0 17.0 17.7 16.7 10.0 51.4 10.9 NUI	18 2- 22 22.2 11 5 16 MBER OF SUMMARY 1750 10/ 120 10/ 120	CASES =	4515 190375 200375 2004 113 00 20202
HEIGHT(METERS) 0 0.49 1.50 - 1.49 1.50 - 2.49 2.50 - 2.49 3.50 - 3.99 4.50 - 4.99 5.00 + 4.99 TOTAL MEAN HS(M) = 0.90 PHASE WAYE SHORE PERCE	4.4-0 8 357 357 2865 357 2866 546 3 186 3 186 3 186 959 156 0 LARGEST	- 8 9 1 5 1 3 7 1 5 1 3 7 1 5 1 3 7 1 5 1 3 7 1 5 1 3 7 1 5 1 3 7 1 5 1 3 7 1 5 1 3 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	PERIOD 0 6 - 10 149 10 15 15	158.5 13.4 13.3 13.4 13.3 13.4 13.3 13.4 13.6 3 82.4 13.6 9 82.6 20.5 8.7 10.5 10.5 10.5 10	15.4- 12.0 17.0 17.7 16.7 10.0 51.4 10.9 NUI	18 2- 22 22.2 11 5 16 MBER OF SUMMARY 1750 10/ 120 10/ 120	CASES =	4515 1903785 1903755 2773139 2024 113 00 20202
HEIGHT(METERS) 0 0.49 1.50 - 1.49 1.50 - 2.49 2.50 - 2.49 3.50 - 3.99 4.50 - 4.99 5.00 + 4.99 TOTAL MEAN HS(M) = 0.90 PHASE WAYE SHORE PERCE	4.4-0 8 357 357 2865 357 2866 546 3 186 3 186 3 186 959 156 0 LARGEST	- 8 9 1 5 1 3 7 1 5 1 3 7 1 5 1 3 7 1 5 1 3 7 1 5 1 3 7 1 5 1 3 7 1 5 1 3 7 1 5 1 3 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	PERIOD 0 6 - 10 149 10 15 15	113.3 15.4 1 13.	15.4-1 20 174 1673 10 	16 .2- 21 22.2 1i 5 16 MBER OF SUMMARY 175.0 1N/120 1N	CASES =	4515 1903785 1903755 2773139 2024 113 00 20202
HEIGHT(METERS) 0 0.49 1.50 - 1.49 1.50 - 2.49 2.50 - 2.49 3.50 - 3.99 4.50 - 4.99 5.00 + 4.99 TOTAL MEAN HS(M) = 0.90 PHASE WAYE SHORE PERCE	4-0 8-375 35746 4-575 35746 3-575 35746 3	- 8 9 1 1 5 1 4 7 5 1 4 7 5 1 4 7 5 1 4 7 5 1 4 7 5 1 7 7 5 1 7 7 5 1 7 7 7 6 6 4	PERIOD 0 6 - 10 149 10 15 15	113.3 15.4 1 13.	15.4-1 10.9 NUI 15.4-1 10.9 NUI 15.4-1 15.4-1 15.4-1 15.4-1 15.4-1 15.4-1	18.2- 2 22.2 1i 5 16 MBER OF SUMMARY 10/15.0 10/160 10	2.3- LÓNGER 	1503751399 197731399 20202 TOTAL 68083750 675756750 675756750 675756750
HEIGHT(METERS) 0 0.49 1.50 - 1.49 1.50 - 2.49 2.50 - 2.49 3.50 - 3.99 4.50 - 4.99 5.00 + 4.99 TOTAL MEAN HS(M) = 0.90 PHASE WAYE SHORE PERCE	4-0 8 377 357 357 269 546 358 68 3 131 358 68 3 131 368 68 3 131 368 68 3 131 368 68 3 131 368 68 3 131 368 68 68 10 131 368 68 10 131 368 68 10 131	- 0 1375 - 0 1375 - 0 1375 - 0 1375 - 0 1375 - 0 1375 - 0 1375 - 0 1275 - 0 12	PERIOD 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SECTION STADE TP(SEC) = 1 13.3 160.9 10.5 1	15.4-1 200 1747 1673 10 514 10.9 NUI (ISTECS)=4 1678=35.4 1678=35.4 18.1 3	18.2- 21 22.2 11 5 16 MBER OF SUMMARY 10/120 10/	CASES =	1585-69941300 2 19773-62 19772-62 10 2 2 2 3 4 4 757550604171 10 4 80837171
HEIGHT(METERS) 0 0.49 0.50 - 0.49 1.500 - 2.49 2.500 - 2.349 3.500 - 3.49 4.500 - 4.99 5.00 TOTAL MEAN HS(M) = 0.90 PHASE WAYE SHORE PERCE HEIGHT(METERS) 0.49 1.500 - 1.49 1.500 - 1.49 1.500 - 1.49 1.500 - 1.49 1.500 - 1.49 1.500 - 1.49 1.500 - 1.49 1.500 - 1.49 1.500 - 1.49	46-0 85-75-75-75-75-75-75-75-75-75-75-75-75-75	- 0 1375 - 0 1375 - 0 1375 - 0 1375 - 0 1375 - 0 1275 - 0 12	PERIOD 0 6 - 10 149 10 15 15	113.3	15.4-1 20 1747 1677 1673 10 514 10.9 NUI	16 .2- 21 22.2 11 5 16 MBER OF SUMMARY 17.120 100 METION	2.3- LÖNGER 	1503751399 197731399 20202 TOTAL 68083750 675756750 675756750 675756750

PHASE WAVE LAT. SHORE PERCE HEIGHT (METERS) 0.50 - 0.499 1.50 - 1.499 1.500 - 2.499 1.500 - 3.499 1.500 - 3.499 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99	4,4-0 3213 174 	125 H ANGLE ART = 31 SLE = 1 GRENCE 6 1 - 7 5 i	8.1-5 9.5 : : : : : : : :		VE SHOREA N AZ EIGHT A PERIOD(1 101:- 0 MEAN T	SECOND 13.3	05) 3.4~ 1 15.3	5.4- 1 18.1	18 2- 2 22:2	134.9 91W 91W 91W 12.3 10NGER 10NGER 10NGER 10NGER 10NGER 10NGER	TOTAL 32869 175250 000000
HEIGHT (METERS) - 0.499 - 0.949 - 0.949 - 1.499 - 1.299 - 1.299 - 1.299 - 1.499 - 1.499 - 1.499 - 1.499 - 1.499 - 1.499 - 1.499 - 1.499 - 1.499 - 1.499 - 1.499	3 ST APPROÁCI LON. ST LINE ANI NT OCCU 4.4- 6.0	6 8 1 0	8;1-5 : : : : :	9.6- 10.5	PERIOD(10.7)	SECOND 13.3 	(S) 3.4- 1 15.3	.5 4- 1 18.1	18 2- 2 22:2	2.3- LÖNGER 	TOTAL 000000000000000000000000000000000000
MEAN HS(M) = 6. PHASE WAYE SHORE PERCE HEIGHT(METERS) 0.50 - 0.49 1.500 - 1.49 1.500 - 1.49 2.500 - 2.49 3.500 - 3.49 3.500 - 3.49 4.500 - 4.99 5.00 - 4.99	APPROACL LON. ST. LON. ST. NT OCCU	EST HS		EAR WA TIVE TO 121 01 (DEG.) OF H	MEAN T VE DIRE OF SHORE AZANIA EIGHT A PERIOD(11.77	CTION LINE I T. LON WATER ND PER	STATIS N DEGR L ENDS DEPTH LOD BY	TICAL EES)= 35.41 = 10.60 DIRE	SUMMAR 165.0 10/120. 00 MET		TOTAL

MEAN HS(M) = 0. LARGEST HS(M) = 0. MEAN TP(SEC) = 0. NUMBER OF CASES = 0





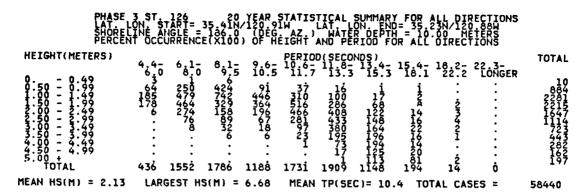
MEAN HS(METERS) BY MONTH AND YEAR WIS STATION 125 (35.45N/ 121.01W TO 35.41N/ 120.91W)

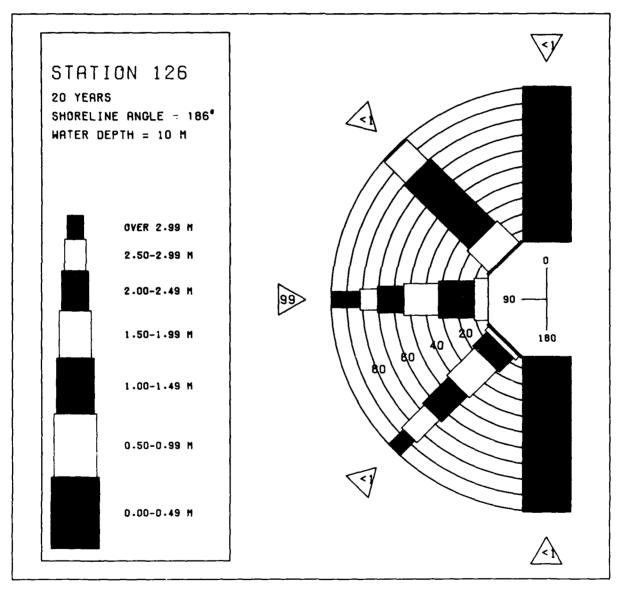
						MONT	Н						
	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y55567890123456789012345	07.009.007.90.00.00.00.00.00.00.00.00.00.00.00.00.	87-57-1-9-215-5-9-0-1-9-0-1-9-9-1-9-7	68066088777987887000	7786765988596886886	67576766876687678917	76675547986677688888	\$5.0544.6586.657.667.8988 0000000000000000000000	05000000000000000000000000000000000000	46567514565155555664	000000000000000000000000000000000000000	46648767796474879854	87678616380810999895	MEA
MEAN	0.9	0.9	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.6	0.8	
		WIS S	_			METER .45N/ MONT	121.	01W T				1H)	
	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	MOA	DEC	
Y1171890123456789012345	94596-894884884499705	0.10154804477641001-004904	997,7109,799,9489,998,77610	78777515949980007764792	35941441072465775680	272120000000000000000000000000000000000	10110011111001110111111	29999700580020905551	8899699770794912121208	7-684-121-1679-9-64-1215-1-07-0		44142879820886249755	
20 YR.												35.41N/	120.91W
MEAN 9	EAK WERD DE	AVE P NT 30 VIATI	ERIODE ON OF	HEIG GRÉE HAVE WAVE	HT (ČEŇT HS ·	ĖR) Ď	IŘEČT	ion B	AÑD	· · {	METER SECON DEGRE METER SECON	5) DS) ES) S) DS)	0.7 8.1 30.5 2.8

PHASE LATTRE SPECE HEIGHT (METERS) - 0 - 49 - 29 - 29 - 29 - 29 - 39 - 39 - 39 - 39 - 39 - 39 - 39 - 3	APPROACH ANGLE (R LON. START = 35.46 LON. START = 35.46 LINE ANGLE = 15.46 NT OCCURRENCE (X1 4.4-6.1-8.60 9 6.0 9 6.0 9 6.0 0 6.0 0	0.5 10.5 11.7 1.5 10.5 11.7 1.5 10.5 11.7 1.5 10.5 11.7 1.5 10.5 11.7 1.5 10.5 11.7 1.5 10.5 11.7 1.5 10.5 11.7 1.5 10.5 11.7	D (SECONDS)	TICAL SUMMARY ESS)= 0 - 0 - 1 = 10 - 0 - 0 - 0 = 10 - 0 - 0 - 0 DIRECTION 5.4- 18.2- 22.3- 18.1 22.2 LONG	000000000000000000000000000000000000000
PHASE WAYE SHORE HAVE SHORE HEIGHT (METERS) 0.49901-0.499	3 ST. 126 APPROACH ANGLE(R LON. START= 35.4 LINE ANGLE = 186 NT OCCURRENCE(X1 4.4-6.1-8.6 6.0 8.0 9 	PERIO 1- 9.6- 10.6- 10.5 10.5 11.7 		TICAL SUMMARY ESS)= 15.0 - 4 = 15.0 - 4 = 10.00 METERS DIRECTION 5.4- 18.2- 22.3- 18.1 22.2 LONG	000000000000000000000000000000000000000
PHASE WAVE SHORE PERCE P	349 516 19 1398 1392 48 877 193 20 . 11 2634 3209 131	PERIO 1 5 10.6-7 1 15 11.7 1 15 29 1 2 2 18 2 2 18 3 6	RECTION STATIS RELINE IN END LAT. LON. END HATER DEPTH AND PERIOD BY 0(SECONDS) 113.3 15.3 36 10 27 6 1 1 150 17 TP(SEC) = 7.	5.4- 18.2- 22.3- 18.1 22.2 LONG 	149484600000 1429751 1454 1454
PHASE WAVE SHORE SHORE HEIGHT (METERS) 0.49 0.500 - 0.49 1.500 - 0.49 2.5000 - 0.49 2.5000 - 0.49 2.5000 - 0.49 2.5000 - 0.49 2.5000 - 0.49 2.5000 - 0.49 2.5000 - 0.49 2.5000 - 0.49 2.5000 - 0.49 2.5000 - 0.49 2.5000 - 0.49 2.5000 - 0.49 2.19	1672 12054 1643	7 YEAR WAVE SHOWN TO SHOW TO S	RECTION STATES RECTIO	TICAL SUMMARY ESS 23 N/1 20 88 W = 10 20 0 Meters DIRECTION 5.4-18.2-2 Long 18.1 22.2 Long 18.5 25 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TOTAL SER 7738 19346 19346 19346 19346 1936 1936 1936 1930 SES = 53560

PHASE WAVE A LAT L SHOREL PERCEN	3 ST 126 PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	20 Y 15 41N/ 135 4000					TICAL EES)= 35.2 = 10.0	SUMMAI 105.0 3N/120 30 ME TION	RY - 134.9 - 88W TERS	
HEIGHT(METERS)	4,4-0 6,1-0 -3 6.0			PERIOD: 10.6-	13.3 13.3	3.4- 1 15.3	5.4- 1 18:1	18,2- 1 22.2	22.3- LONGER	TOTAL 3
99999999999999999999999999999999999999	11 27 23 59 23 - 59 25 - 59 25 - 59 25 - 59	3025578 13252721	1333777 17	<u>5</u> 53	: ģ	•	:	:	•	177344509500 1637442
2	: 10	27 18	5 3	š	•	•	:	•	:	140 23 23 6
5.00 + TOTAL	5i 256	150	7 i	22 2	14	ò	Ġ	ö	Ö	ð
MEAN HS(M) = 2.25	LARGEST H	S(M) =	4.35	MEAN '	TP(SEC)	= 8.	O NUI	TBER O	F CASES =	339
	3 ST 126 PPROACH ANG ON. START= INE ANGLE = T OCCURRENCE								RY - 164.9 1685	
HEIGHT(METERS)	46.0 610	8,1- 9.5	9.6-	PERIOD	(SECOND 11.8-1	15) 15.3 15.3	5.4- 1	18.2-	22.3- LONGER	TOTAL
- 0.49 0.500 - 1.29 1.500 - 1.29 2.500 - 1.29 2.500 - 1.49 2.500 - 4.99 4.500 - 4 TOTAL MEAN HS(M) = 1.54		:	:	:	:	:	:	:	:	3
1.00 - 1.49 1.50 - 1.99 2.00 - 2.49	10 5 8	:	:	:	:	:	:	:	:	11980000000
2.50 - 2.99 3.00 - 3.49	: :	:	:			:	:	÷	:	Ŏ
3.50 - 3.99 4.00 - 4.46 4.50 - 4.99	: :	:	•	:	:	:	:	:	•	ç
5.00 + TOTAL	 18 19	Ò	Ġ	Ö	Ö	ó	ó	Ó	Ó	ŏ
MEAN HS(M) = 1.54	LARGEST H	IS(M) =	2.49	MEAN '	TP(SEC)	= 6.	2 NUI	1BER O	F CASES =	23
PHASE WAYE L LAYE L SHOMEL PERCEN HEIGHT(METERS)	3 ST 126 PPROACH ANG ON. STARTS INE ANGLE = T OCCURRENCE				ECTION ELINE 1 AT. LON WATER AND PER (SECOND 11.8-1					TOTAL
0 0.49	4,4- 6,1- 6,0 8.0	8.1.5	16.5	111.7	13.3	15.3	5.4- 1 18.1	18.2- : 22.2	LONGER	8
99999999999999999999999999999999999999	: :	:	:	:	:	:	:	:	:	80000000000
2.00 - 2.49 2.50 - 2.99		:	:	:	:	:		:	:	ŏ
2.499 	: :	:	:	•	•	:	•	•	:	Ŏ
3.50 ~ 3.99 4.00 ~ 4.49 4.50 + 4.99 5.00 +	: :	:	:	•	•	:	•	•	•	ŏ
TOTAL	ė ė	Ò	Ò	Ò	Ò	Ò	Ö	Ö	Ò	•

MEAN HS(M) = 0.08 LARGEST HS(M) = 0.13 MEAN TP(SEC) = 4.7 NUMBER OF CASES = 5





MEAN HS(METERS) BY MONTH AND YEAR WIS STATION 126 (35.41N/ 120.91N TO 35.23N/ 120.88N) MONTH

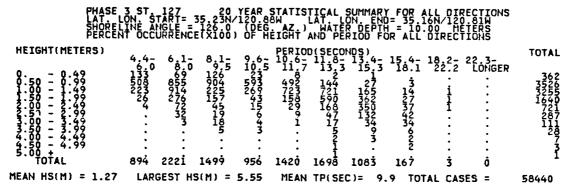
							••						
	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Y14799012374567890123745 P555556669666677777 P55555666969999999999999999999999999999	onounterproductions of the control o	OGENITATION OF CONTRACTOR OF C	14516175168697070767151164 5500011751686970707070707070707070707070707070707070	פיים מיים ביים מיים ביים מיים ביים מיים מ	7-6497-64-670-6-6-0-0-0-0-1-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7	9-667-24-1-07-9-647-010-0-1-0-6	mount-to-the translation and a	60-10-14-110-4-11-4-11-4-68-60	14mino-14-finningment-end-49	67-51-1-689-511-1-51-681-681-89-8	CHA 4-6-1-10-0000mm-1-6004-415-1	カーは50の??のはのいいようたっとののいか? d	M-ronnonnonnonnonnon
MEAN	2.9	3.0	2.5	2.2	1.8	1.7	1.4	1.3	1.4	1.8	2.5	3.1	

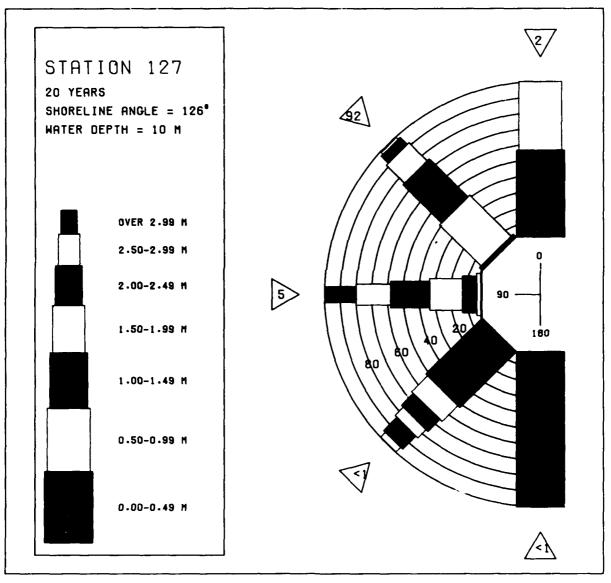
LARGEST HS(METERS) BY MONTH AND YEAR WIS STATION 126 (35.41N/ 120.91W TO 35.23N/ 120.88W) MONTH

20 YR. STATISTICS FOR PACIFIC STATION126 (35.41N/ 120.91W TO 35.2	3N/ 120.88W
MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAYE PERIOD MOST FREQUENT 30 0 DEGREE (CENTER) DIRECTION BAND (DEGREES) STANDARD REVIATION OF HAVE THE (METERS)	10:4
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES) STANDARD DEVIATION OF MAVE HS (METERS) STANDARD DEVIATION OF MAVE TP (SECONDS)	90.0 1.0
LARGEST WAVE THE MITH LARGEST MAYE HE (METERS) HAVE TO ASSOCIATED WITH LARGEST WAVE HE (SECONDS) AVERAGE TO HE ASSOCIATED WITH LARGEST WAVE HE (DEGREES) DATE OF LARGEST HE OCCURRENCE IS (YR, MO, DA, HR)	16.7 16.7
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	58040300

PHASE HAYE LAT SHORE PERCE!	APPROÁC LON ST LINE AN NT OCCU	127 H ANGL ART= 3 GLE = RRENCE	E(REL) 5.23N 126.0	(EAR MA TIVE 120 80 (DEG	AVE DIE TO SHOE BW AZ) HEIGHT	ECTION AT LOP AND FER	STATI IN DEG I END DEPTH	STICAL REES) = 35.1	SUMM/ 0 6N/120 00 ME CTION	ARY D. ÖLW 14.9 ETERS	ı
HEIGHT(METERS)										22.3- LONGER	TOTAL
Q Q.49	4,4- 6,0 304	6.1- 6.0	8 9 1 - 9 . 5	?o.5	111.7	113.3	15.3	18.1	25.5	LONGER	304
99999999999999999999999999999999999999	:	•	:		:	:	:		:		90
2:00 - 2:43 2:50 - 2:99	:	:	:	:	:	:	:	:	:	:	ŏ
3.00 - 3.49 3.60 - 3.99	:	:	:	•	:	•	•	:		•	Ŏ
4:58 - 4:99 5:00 ±	;	:	•	•	:	:	:	:	:	•	ğ
TOTAL MEAN HS(M) = 0.11	304 LARG	0 EST HS	(M) =	0 35	0 MFAN	0 TP(SEC)	0 = 4	.0 .7 Ni:	0 MBED 0	0 OF CASES :	= 178
		201 110		0.33	112741			., ,,,	HIDER C	, CASES	- 1/0
PHASE	3 ST.	127	20 Y	EAR WA	AVE DIR	ECTION	STATI	STICAL	SUMMA	LRY	
WAYÉ . LAT SUODE	APPROÁC LON. ST	H ANGL ARI= 3	E(ŘĚLÁ 5.23N	ĮĮŲĘ ĮĮVĘ	TO SHOR	ECTION ELINE I AT LON WATER AND PER	N DEG	REES)= =_35,1	6M/150		
	Nt''òcĉù	ŘŘĒNĒE	tx1000					YDİRE	CTION	IEKS	
HEIGHT(METERS)	4,4-	6,1,	8,1-	9.6- 10.5	PERIOD	(SECOND 113.3	(§) 3 <u>.</u> 4 -	15.47	18,2-	22.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 0.99 1.00 - 1.49 1.50 - 1.99	795 4962	6.1-0 62.6 8319 8696 2087	8,15 468 2002 648	:	:	:	:	:	:	LUNGER :	1889 15283 11301
0.5000 1.5000 1.5000 2.5000	1957 47	8696 20 8 4	191	:	:	:	:	:	•	:	11301 2322
2.50 - 2.99 3.00 - 3.49	:	:	:	:	:	:	:	:	:	:	400
3.500 - 3.49 3.500 - 4.99 4.500 - 4.99 5.500 +	•	:	•	:	•	:	:	:	:	:	ò
5.00 + TOTAL	7761 1	976Ż	3315	ò	ò	Ö	ò	ò	ò	Ò	ŏ
MEAN HS(M) = 0.98	LARG	EST HS	(M) =	2.35	MEAN	TP(SEC)	= 6	.7 NU	MBER O	F CASES :	= 18026
PHASE MAYE LATORE PERCEI	3 ST APPROÁCI LON. ST LINE AN NT OCCU	127 H ANGL ART = 3 GLE = RRENCE	20 Y E(RELA 5.23N/ 126.0 (X1000	(EAR WA TIVE T 120.88 (DEG.	VE DIR TO SHOR W AZ)	ECTION ELINE I AT LON WATER AND PER	STATI N DEG END DEPTH IOD B	STICAL REES)= = 35,1 = 10; Y DIRE	SUMMA 45.0 6N/120 00 ME CTION	RY - 74.9 - 814 TERS	
PHASE WAYE LAT SHORE SHORE PERCEI HEIGHT(METERS)				FAR WA 117E 1 120.86 (DEG.	VE DIR O SHOR NAZ) HEIGHT PERIOD 10,6	ECTION ELINE I AT LON WATER AND PER (SECOND 11.8-1	STATI N DEG DEPTH IOD B				TOTAL
HEIGHT(METERS)				(EAR WATER TO SEE TO SE	VE DIR TO SHOR BAZ BEIGHT PERIOD 10167	ECTION ELINE I ELINE I ATTLON MATER AND PER (SECOND 113.3	STATIGOT B DEPTH DEPTH 100 B 15:15:15				TOTAL
				1200 F 6 -5 1200 F 6 -4418 1 9 1239998	VE DIR CO SHOP SHOP SHOP SHOP SHOP SHOP SHOP SHOP	ECTION I ELINEON I ATTER AND PER (SECOND 1 11323 14214 175905	STATEGOTE STATEG				TOTAL 1180 19866 21054
HEIGHT(METERS)				M 86 F R 50 EF 6 44418347 12000 9 123999347 1 9 123999441	PERIOD 10.6-7 11.6-7 4922 7231 1579 1287	ON 100 ON	150HB -3 150HB -3 157-7520027 57 51 951 266557			22 3- LONGER	TOTAL 1180 12666 21054 13640 6628 2511
HEIGHT(METERS)				# 186 H 86 H 86 H 86 H 86 H 86 H 86 H 86	PERIOD 10.6-7 11.6-7 4922 7231 1579 1287	N ON ON ON ON ON ON ON ON ON ON ON ON ON	TENTE -3 TEN	15.4 15.5 15.5 12.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7			TOTAL 1986-40 1986-40 1986-40 200-40 1986-40 200-40
HEIGHT(METERS)	4 -520558 · · · · · · · · · · · · · · · · · ·		8 7923 7923 7923 7923 133440 1133 1133 1133 1133 1133 1133 1	EAR WARE TO SEE	VE SHOEL SHOEL AZIGHT PERIOD 10:10:32 10:	11 14208675241 14208675241	931 2665533 2665533	151 3477692655 56 3477692655 12343			TOTAL 1180 198664 136448 136428 25930 2939 17
HEIGHT(METERS) 0.14999999999999999999999999999999999999	4 - 1520058 - 1520058 	1.57150113···	8.1- 79:55 79:59 70:59:31 13:445 11:	9.6-5 10:4 59:34 29:34 29:33 13:4 17 	PER 100 10:16:7 4923-19 4723-19 15:894-19 15:894-19 15:894-19 16:8	SECO-3 11 1 20 20 1 1 1 20 20 20 20 20 20 20 20 20 20 20 20 20	931 2665533 8	15.8 3477692655 12372943655 123737692655 172	18.2- 22.2 17 11 11 		1985408 19136428 191364 19136 191364 19136 191364 191364 191364 191364 191364 191364 191364 191364 191364 191364 191364 191364 191364 191364 19136 191364 191364 191364 191364 19136 191364 191364 19136 19136 19136 19136 19136 19136 1913
HEIGHT(METERS) 0.50 - 0.499 1.000 - 1.249 2.500 - 2.499 2.500 - 2.499 2.500 - 4.499 5.00 - 4.499 5.00 TOTAL MEAN HS(M) = 1.38	4 - 0 1 - 5 2 - 5 2 - 0 1 - 5 2 - 0 1 - 0 2 - 0	6.1-0 2157 2361 24050 771 3	8 9 2 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	90539911 5596033347 1711 94655 412000F	PERIOD 7 1 1632719 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 2 8 9 1 1 2 8 9 1	(11 1756 14 17 10) IN CORR R 17 14 17 17 17 17 17 17 17 17 17 17 17 17 17	951 2666553 8 1 HGDHB	1516 3477692655 i NU A1116 i i i i i i i i i i i i i i i i i i	18 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	223- LÖNGER 	1180 198664 198664 136408 136428 25930 2930 177 = 38682
HEIGHT(METERS) 0.50 - 0.499 1.000 - 1.499 1.000 - 2.499 1.000 - 2.499 1.000 - 2.499 1.000 - 3.499 1.000 - 4.999 1	4 - 0 1 - 5 1	6 1 - 0 2361 - 57 2361 - 57 2362 - 77 3	8 7939310511 · · · · · · · · · · · · · · · · · ·	90539911 5596033347 1711 94655 412000F	PERIOD 7 1 1632719 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 2 8 9 1 1 2 8 9 1	(11 1756 14 17 10) IN CORR R 17 14 17 17 17 17 17 17 17 17 17 17 17 17 17	951 2666553 8 1 HGDHB	1516 3477692655 i NU A1116 i i i i i i i i i i i i i i i i i i	18 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	223- LÖNGER 	1985408 19136428 191364 19136 191364 19136 191364 191364 191364 191364 191364 191364 191364 191364 191364 191364 191364 191364 191364 191364 19136 191364 191364 191364 191364 19136 191364 191364 19136 19136 19136 19136 19136 19136 1913
HEIGHT(METERS) 0.50 - 0.499 1.000 - 1.499 1.000 - 2.499 1.000 - 2.499 1.000 - 2.499 1.000 - 3.499 1.000 - 4.999 1	4 - 0 1 - 5 1	6 1 - 0 23 - 23 - 23 - 23 - 23 - 23 - 23 - 23 -	8 793944751 · · · · · · · · · · · · · · · · · · ·	9053396033447 1053396033447 1053396033447 1053396033447 10533960344 105339603	PERIOD 7 1 1632719 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 2 8 9 1 1 2 8 9 1	(11 1756 14 17 10) IN CORR R 17 14 17 17 17 17 17 17 17 17 17 17 17 17 17	951 2666553 8 1 HGDHB	1516 34776926555 i NU AL=1 12374246222 2 I I I I I I I I I I I I I I I I I	18 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22 3- LÖNGER : : : : : : :	1180 1980 21054 13640 6628 2511 2830 295 17 = 38682
HEIGHT(METERS) 0.50 - 0.499 1.000 - 1.499 1.000 - 2.499 1.000 - 2.499 1.000 - 2.499 1.000 - 3.499 1.000 - 4.999 1	4 - 0 1 - 5 1	6 1 - 0 23 - 23 - 23 - 23 - 23 - 23 - 23 - 23 -	8 793944751 · · · · · · · · · · · · · · · · · · ·	9053396033447 1053396033447 1053396033447 1053396033447 10533960344 105339603	PERIOD 7 492179745 158 3 1 1 2 2 3 5 1 MEAN 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(\$11.42.08.62.65.1.7.3 SEC. N. IN R. D. L. L. L. L. L. L. L. L. L. L. L. L. L.	-3 -3 -3 -3 -3 -3 -3 -3 -3 -3	1516 3477692655 i NU A1116 i i i i i i i i i i i i i i i i i i	1822 177111 45 0 MBER 0000 1 MBER 000	22 3- LÔNGER 	1180 1980 21054 13640 6628 2511 2830 295 17 = 38682
HEIGHT(METERS) 0.50 - 0.499 1.000 - 1.499 1.000 - 2.499 1.000 - 2.499 1.000 - 2.499 1.000 - 3.499 1.000 - 4.999 1	4 - 0 1 - 5 2 - 5 2 - 0 1 - 5 2 - 0 1 - 0 2 - 0	6 1 - 0 23 - 23 - 23 - 23 - 23 - 23 - 23 - 23 -	8 793944751 · · · · · · · · · · · · · · · · · · ·	9053396033447 1053396033447 1053396033447 1053396033447 10533960344 105339603	PERIOD 7 1 1632719 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 1 2 8 9 1 2 8 9 1 1 2 8 9 1	(\$11.42.08.62.65.1.7.3 SEC. N. IN R. D. L. L. L. L. L. L. L. L. L. L. L. L. L.	951 2666555 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1516 347776926055 i NU AL=1 12974246222 2 1 .5 STEE = Y 1516 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22 3- LÔNGER 	1180 1980 21054 13640 6628 2511 2830 295 17 = 38682
HEIGHT(METERS) 0.50 - 0.499 1.000 - 1.499 1.000 - 2.499 1.000 - 2.499 1.000 - 2.499 1.000 - 3.499 1.000 - 4.999 1	4 - 10 G G G G G G G G G G G G G G G G G G	6 1 - 0 2361 - 57 2361 - 57 2362 - 77 3	1-5-1-1-5-1-5-8 1-5-1-1-5-1-5-8 1-5-1-1-5-1-5-8 1-5-1-5-	910350903447 · · · i 5 WATE BE BE 6 · · i 20000006 5 FETTI 1 910 · · 212533	PER 16 1 1 1 2 2 3 5 N REAN TREE SHOLL TO THE PER 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 1751 10	971 2665573 8 T TEUTH -3 -3 -51752628793 6 = T TEUTH -3 -51752628793 8 ST -01 9315	1516 347776926555 i NU L=1 1 1 1 2 3 4 3 6 2 2 2 1 1 1 1 1 2 3 4 3 6 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22 3- LÔNGER 	1180 1980 21054 13640 6628 2511 2830 295 17 = 38682
HEIGHT(METERS) 0.50 - 0.499 1.000 - 1.249 2.500 - 2.499 2.500 - 2.499 2.500 - 4.499 5.00 - 4.499 5.00 TOTAL MEAN HS(M) = 1.38	4 - 10 G G G G G G G G G G G G G G G G G G	1-0 1-0 1-571-501-3 · 3 · 1 1-571-501-3 · 3 · 3 · 1 1-571-501-3 · 3 · 3 · 3 · 3 · 3 · 3 · 3 · 3 · 3 ·	8 793944751 · · · · · · · · · · · · · · · · · · ·	-5 4418347 · · · i 5 W 86 6 · · i 280000 6 · 44180000 6 · · i 280000 6 · · i 28000000 6 · · i 2800000000000000000000000000000000000	PED 1 00 7 7 1 1 2 2 3 5 N RR 1 0 1 1 2 2 3 5 N RR 1 1 1 2 2 3 5 N RR 1 1 1 2 2 3 5 N RR 1 1 1 1 2 2 3 5 N RR 1 1 1 1 2 2 3 5 N RR 1 1 1 1 1 2 2 3 5 N RR 1 1 1 1 2 2 3 5 N RR 1 1 1 1 2 3 3 5 N RR 1 1 1 1 2 2 3 3 5 N RR 1 1 1 2 2 3 3 5 N RR 1 1 1 2 2 3 3 5 N RR 1 1 2 2 3 3 5 N RR 1 2 3 3 5 N RR 1 2 3 3 5 N RR 1 2 3 3 5 N RR 1 2 3 3 5 N RR 1 2 3 3 5 N RR 1 2 3 3 5 N RR 1 2 3 3 5 N RR 1 2 3 3 5 N RR 1 2 3 3 5 N RR 1 2 3 3 5 N RR 1 2 3 5 N RR 1 2 3 5 N RR 1 2 3 5 N RR 1 2 3 N RR 1 2	(\$11.42.08.62.65.1.7.3 SEC. N. IN R. D. L. L. L. L. L. L. L. L. L. L. L. L. L.	1 1504919757 · 5 1 150HB - 3 · · · · · · · · · · · · · · · · · ·	1516 347776926055 i NU AL=1 12974246222 2 1 .5 STEE = Y 1516 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22 3- LÔNGER 	1180 198664 198664 136408 136428 25930 2930 177 = 38682

PHASE MAYE A Lat Shorel Percen	3 ST 127 PPROACH AND ON, START= INE ANGLE : T OCCURRENCE	20 YEAR SLE(RELATIVE 35.23N/120.1 126.0 (OE E(X1000) OF	HAVE DIRECT TO SHORELI BOW LAT AZ JAWA HEIGHT AND	TION STATIS THE IN DEGREE LON. END: TER DEPTH PERIOD BY	TICAL SUMM REES)= 105. = 35.16N/12 = 10.00 M C DIRECTION	ARY 0 - 134.9 0 81W ETERS	
HEIGHT (METERS) - 0 499 - 0 1999 - 11999 - 12999 - 12999 - 13999 - 13999 - 13999 - 1499 - 1499 - 1499 - 1499 - 1499 - 1499 - 1499 - 1499 - 1499 - 1499 - 1499 - 1499 - 1499 - 1499 - 144	4.4-0 6.1. 6.4-0 8.2. 9.0 2.2. 1.2.2. 1.2.5 5.1. 1.2.5 2.1.8	8,1- 9,6.1 37 : 18 5 18 5 13 i : : :	PERIOD(SE 5 11.7 11.	ECONDS) 8- 13.4- 1 3.3 15.3 	15.4- 18.2- 16.1 22.2 : : : : : : : 	22 3- LONGER : : : : :	739 663 151 152 000
		SLE(RELATIVE 35,23N/120, 126,00 OF E(X1000) OF 5,5 10.6		TION STATIS (NE IN OEGR LON END TER OEPTH (TER OEPTH			TOTAL 170
MEAN HS(M) = 0.16 PHASE WAYE ALCOHOLD BY A COLOR BY A		· · · · · · · · · · · · · · · · · · ·		TION STATTS	STICAL SUMM. REES)= 165; = 35,160,7 M; (DIRECTION 15,4~ 18.2- 18.1 22.2 	ARY 180.0 0.81W ETERS 22.32 LONGER	TOTAL 000000000000000000000000000000000000





WIS STATION 127 (35.23N/ 120.88W TO 35.16N/ 120.81W)
MONTH

	JAN	FEB	MAR	APR	MAY	HUL	JUL	AUG	SEP	OCT	NOV	DEC	
R67890-2374567890-23745 E678999999999999999999999999999999999999	ad-ign-ign-oppopolation		- Innatabatanina oootingoo	OO D- THURST COMMON COM	0-0-10000-100-1-1-1-1-1-1-1-1-1-1-1-1-1	NOO-18807-1-10-1-10-1-1-1-1-1-1-1-1-1-1-1-1-1-1	01-9-0-9-0-1-000-1-0-0-1-1-1-1-1-1-1-1-1	98777687978797899118	798067889898988897196	0101001101010101000110	GNNN4-10MM4NNO-10NOMMO	469-67-497-97-15888-657-01-4	MEAN
MEAN	1.8	1.8	1.5	1.3	1.1	1.0	0.9	8.0	0.8	1.0	1.3	1.8	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 127 (35.23N/ 120.88W TO 35.16N/ 120.81W)
MONTH

						1,0111	**					
	HAL	FEB	MAR	APR	MAY	HUL	JUL	AUG	SEP	OCT	NOV	DEC
Y1111111111111111111111111111111111111	Notation personant and services of the service	กรรมเกรายแนะเกรายกรรมการกรรมการกรรมการกรรมการกรรมการกรรมการกรรมการกรรมการกรรมการกรรมการกรรมการกรรมการกรรมการกร	Moderna souversement services	M-11700000000000000000000000000000000000		POT-PO-GNO-MONDE POT-PO-NO-MONDA POT-PO-NO-MONDA POT-PO-NO-MONDA POT-PO-NO-MONDA POT-POT-POT-POT-POT-POT-POT-POT-POT-POT-	424700000042177.0467.097	ocupa-idusco-constructions	4871-1677-1674-1674-1674-1674-1674-1674-16	000000044000000000000000000000000000000	HORONICAN CONTRACTOR C	Organismathathomachannass

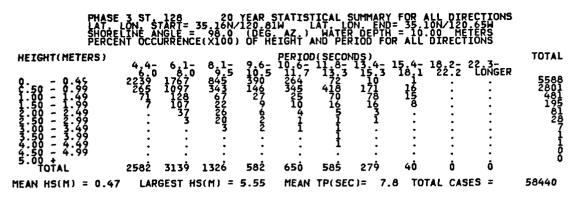
20 YR. STATISTICS FOR PACIFIC STATION127 (35.23N/ 120.88W TO 35.16N/ 120.81W)

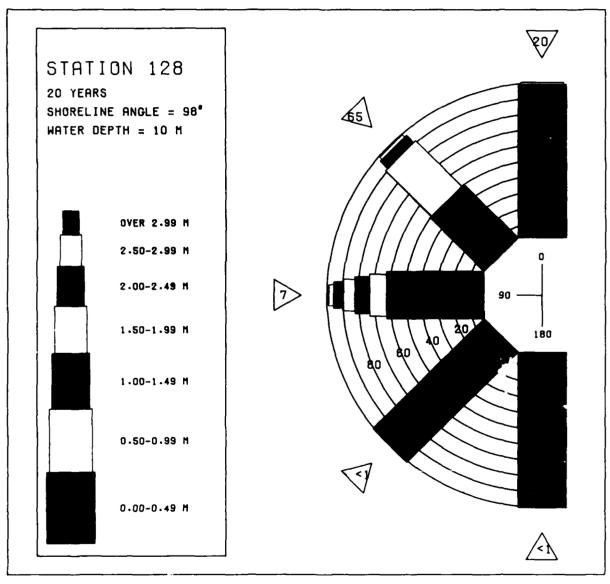
MEAN SIGNIFICANT MAYE HEIGHT	1.3 60.0
STANDARD DEVIATION OF WAVE TP (SECONDS) LARGEST MAYE HE MAYE HE WITH LARGEST WAVE HE WESTERS)	0.69 0.65 0.66
LARGEST HAVE HE CONTROL OF WAVE IP	63013121

PHAS WAVE LAT. SHOR PERC	E 3 ST 128 APPROACH A LON. START ELINE ANGLE ENT OCCURRE	20 YE NGLE(RELAT = 35.16N/1 = 98.0 NCE(X1000)	AR WAVE DIF IVE TO SHOR 20.81W ((DEG. AZ.) OF HEIGHT	RECTION STAT RELINE IN DE LAT. LON. EN WATER DEPT AND PERIOD	ISTICAL SUM GREES)= 0 D= 35.10H/1 H = 10.00 BY DIRECTION	1ARY 0.65W 1ETERS	
HEIGHT(METERS))(SECONDS) 11.8- 13.4- 13.3 15.3			TOTAL
0 0.49 0.50 - 0.99 1.00 - 1.49	4.4- 6 6574 6	1 8,1- 5.0 9.5	9.6- 15.6-1 10.5 11.7	13.3 15.3	15.4~ 18.2 18.1 22.	22.3- LONGER	6574
79499999999999999999999999999999999999	•				: :	:	ğ
2.50 - 2.49 3.00 - 3.49	•	: :	: :	: :	: :	÷	00000000
3.50 - 3.79 4.00 - 4.49 4.50 - 4.99	•	•	•	: :		•	Ŏ
5.00 + TOTAL	6574	Ò Ò	 Ò Ò	 Ö Ö		Ö	ŏ
MEAN HS(M) = 0.0	9 LARGEST	HS(M) = 0	.36 MEAN	TP(SEC) =	4.7 NUMBER	OF CASES =	3842
PHAS HAVE	E 3 ST 128 APPROACH A	NGTE (KETYL	AR WAVE DI	RECTION STAT	ISTICAL SUMN GREES)= 15	IARY 0 - 44.9	
ŠĤÓR PERC	ELTNE ANGLE	35.10071 NCE(X1000)	(DÉG. AZ.) OF HEIGHT	MÁTER DEPT AND PERIOD	ISTICAL SUMN GREES)= 15 D= 35.10N/12 H = 10.00 By DIRECTION	ETERS	
HEIGHT(METERS)			DEDTO		15.4- 18.2- 18.1 22.2		TOTAL
0.50 - 0.49	4,4- 6, 11386 1739 1695 1054 152 40	1- 8.1- 9.5 2 8343 4 3059 5 349	9,6- 15,6- 10,5 11.7	13.3 15.3	18:1 22:4	LÖNGER	37129
99999999999999999999999999999999999999	152 1040	349	: :			:	37129 15301 906 22
2.00 - 2.49 2.50 - 2.99 3.00 - 3.49	•	<u>.</u>		•	: :	•	j N
3.50 - 3.99 4.60 - 4.66	:			: :		•	ŏ
5:00 + TOTAL	13233 2836	4 11751	 11 ò	 0 0	 0 0	Ò	ŏ
MEAN HS(M) = 0.4	3 LARGEST	HS(M) = 2	.00 MEAN	TP(SEC) =	7.0 NUMBER	OF CASES =	31186
	E 3 ST 128 APPROACH A LON START ELINE ANGLE ENT OCCURRE	HGLE(RELAT = 35.16N/1 = 0800 HCE(X1000)	AR WAVE DIF IVE TO SHOE 20 81W (DEG AZ) OF HEIGHT	RECTION STAT RELINE IN DE LAT LON EN WATER DEPT AND PERIOD	ISTICAL SUMP GREES)= 45 D= 35.10N/12 H = 10.00 P BY DIRECTION	IARY 0 - 74.9 0.65W ETERS	
PHAS WAYE SHOR SHOR PERC HEIGHT(METERS)			5555	RECTION STAT RELINE IN DE LAT. LON. EN WATER DEPT AND PERIOD (SECONDS)	ISTICAL SUM GREES) = 45 D= 35.100/12 H = 100/00/10 BY DIRECTION		TOTAL
HEIGHT(METERS)			5555	RECTION STAT RELINE IN EN AT. LON. EN WATER DEPT AND PERIOD 0 SECONDS: 13.3 15.3 4183 1718	ISTICAL SUM GREES) = 45 D= 35.100/12 H = 30.00 BY DIRECTION 15.4- 18.2- 16.1 22.2 160 8		
			5555	RECTION STAT RELINE IN DE AT. LON. EN WATER DEPT AND PERIOD 0(SECONDS) 1138-134- 1723 109 4701 783 163 1718 163 1718	ISTICAL SUMMEREES)= 45100/16 BY DIRECTION 15:4-18:2-16:5 16:5 6 18:3		TOTAL 7973 12192 3568 16536
HEIGHT(METERS)			5555	0(SECONDS) 11.8-13.4- 13.3 15.9 72.3 10.9 4163 1718 701 783 160 164 153 10	ISTICAL SUMP GREE 35 10 N/12 D = 35 10 N/12 H = 10 100 BY DIRECTION 15 4- 18 2- 160 8 155 1		
HEIGHT(METERS) 0.499 0.50 - 12.499 1.500 - 12.499 2.500 - 2.499 3.500 - 3.499 4.500 - 4.499			AR WAVE SHOT I TO SHOT I T	RECTION STAT RELINE IN EN AT LON EN WATER DEPT AND PERIOD 0 SECONDS 1 138-3 159-3 703 1783 160 164-17 17 10 160 164-17 17 10	ISTICAL SUMMERES = 4-15.1		7973 12192 3568 1653 183 466 13
HEIGHT (METERS) 0 - 0 - 499 1 - 500 - 1 - 499 2 - 500 - 2 - 500 2 - 500 - 3 - 500 2 - 500 - 3 - 500 3	4.4- 6.4 434 35 4852 760 5353 25 . 25	8 9 1 5 3 1 1 5 3 1 1 1 5 3 1 1 1 1 2 8 5 5 1 1 1 1 2 8 5 5 1 1 2 8 2 5 1 1 2 8 2 5 1 1 2 8 2 5 1 1 2 8 2 5 1 1 2 8 2 5 1 1 2 8 2 5 1 1 2 8 2 5 1 1 2 8 2 5 1 1 2 8 2 5 1 1 2 8 2 5 1 1 2 8 2 5 1 1 2 8 2 5 1 1 2 8 2 5 1 1 2 8 2 5 1 1 2 2 5 1 1 2 2 5 1 1 2 2 5 1 1 2 2 5 1 1 2 2 5 1 1 2 2 5 1 1 2 2 5 1 1 2 2 5 1	PER IOI 106 - 7 111 7 7 8 6 6 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4	0(SECONDS) 11.8-13.4- 13.3 15.9 72.3 10.9 4163 1718 701 783 160 164 153 10	ISTICAL SUMP GREET 10 N/12 D = 35 10 N/12 H = 10 00 BY DIRECTION 15.4- 18.2- 16.5 1 16.0 8 15.5 1 16.0 8 15.5 1 16.0 8 15.5 1		
HEIGHT (METERS)	4.4- 6.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4		PER IOI 101 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -	SECONDS 1 13:4- 13:3 13:4- 13:3 10:9 4183 1718 160 164 177 10 13	ISTICAL SUMP GREES)= 451 DE 35100/16 DE 35100/16 DE 35100/16 DE 35100/16 DE 35100/16 DE 3510/16 DE 3510/16	22.3- LUNGER : : : : : : : : :	7973 121568 16596 16593 1465 1130 0
HEIGHT (METERS) 0 - 0 - 99 1 - 0 - 99 1 - 0 - 99 1 - 0 - 1 - 29 2 - 0 - 1 - 29 2 - 0 - 1 - 29 3 - 0 - 2 - 39 4 - 99 5 - 0 - 4 - 99 5 - 0 - 4 - 99 5 - 0 - 4 - 99 5 - 0 - 4 - 99 TOTAL MEAN HS(M) = 0.8	4.4-6.4.3.5.2.4.2.1.9.0.1.2.4.2.1.9.0.1.2.4.2.1.9.0.1.2.4.2.1.9.0.1.2.4.2.1.9.0.1.2.4.2.2.4.2.1.2.4.2.2.4.2.2.4.2.2.4.2.2.4.2.2.4.2	1-0 8.11-5 3.1 1-0 1169 3.1 1-1	9.6-5 1016-7 26474 2700 1067 1056-7 840 MEAN ARY WAYE SHOP LONG THE BOTTOM AND T	SECONDS 4-3	15.4- 18.2- 16.5 8 16.5 1 16.5 1 18.3	22.3- LUNGER : : : : : : : : : : : : : : : : : : :	79732 1219683 1255636 1836 1836 1836 1836 1836 1836 1836 1
HEIGHT (METERS) 0 - 0 - 99 0 - 0 - 99 1 - 0 - 1 - 29 2 - 0 - 1 - 29 2 - 0 - 2 - 39 2 - 0 - 2 - 39 3 - 0 - 2 - 39 4 - 0 0 - 2 - 49 5 - 0 0 - 4 - 49 5 - 0 0 - 4 TOTAL MEAN HS(M) = 0.8 PHASE LATOR SHOW PERC HEIGHT (METERS)	4,4- 6; 434 35; 435; 352 80; 1324 219 0 LARGEST E APPR STACHAT LON SANGIE	1-0 8.1-5 3.	9.6-5 1016-7 26474 2700 1067 1056-7 840 MEAN ARY WAYE SHOP LONG THE BOTTOM AND T	SECONDS 4-3	15.4- 18.2- 16.5 8 16.5 1 16.5 1 18.3	22.3- LUNGER : : : : : : : : : : : : : : : : : : :	7973 121968 1653 5966 1833 145 130 00 15350
HEIGHT(METERS) 0 - 0 - 99 1 - 50 - 1 - 49 2 - 50 - 2 - 3 - 49 2 - 50 - 3 - 49 3 - 50 - 3 - 49 4 - 50 - 4 - 99 5 - 70 - 4 - 99 5 - 70 - 4 - 99 FOR ALL MEAN HS(M) = 0.8 PHASE LATOR PHASE LATOR PHASE HEIGHT(METERS)	4,4- 6; 434 35; 435; 352 80; 1324 219 0 LARGEST E APPR STACHAT LON SANGIE	8 9 1 5 3 1 1	9.6-5 1016-7 26474 2700 1067 1056-7 840 MEAN ARY WAYE SHOP LONG THE BOTTOM AND T	SECONDS 4-3	15.4- 18.22 16.0 6 15.5 1 18.5	22.3- LUNGER : : : : : : : : : : : : : : : : : : :	7973 121968 1653 5966 1833 145 130 00 15350
HEIGHT(METERS) 0 - 0 - 99 1 - 50 - 1 - 49 2 - 50 - 2 - 3 - 49 2 - 50 - 3 - 49 3 - 50 - 3 - 49 4 - 50 - 4 - 99 5 - 70 - 4 - 99 5 - 70 - 4 - 99 FOR ALL MEAN HS(M) = 0.8 PHASE LATOR PHASE LATOR PHASE HEIGHT(METERS)	4,4- 6; 434 35; 435; 352 80; 1324 219 0 LARGEST E APPR STACHAT LON SANGIE	8 9 1 5 3 1 1	9.6-5 1016-7 84670 106-7 84670 106-7 84670 106-7 8470 106-7 848	SECONDS 1 4 3 13 13 13 17 18 17 18 17 18 17 18 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	15.4- 18.2- 1650 8 1655 1 1655 1 183	22.3- LUNGER 0 OF CASES =	7973 121968 1653 5966 1833 145 130 00 15350
HEIGHT(METERS) 0 - 0 - 99 1 - 50 - 1 - 49 2 - 50 - 2 - 3 - 49 2 - 50 - 3 - 49 3 - 50 - 3 - 49 4 - 50 - 4 - 99 5 - 70 - 4 - 99 5 - 70 - 4 - 99 FOR ALL MEAN HS(M) = 0.8 PHASE LATOR PHASE LATOR PHASE HEIGHT(METERS)	4,4- 6; 434 35; 435; 352 80; 1324 219 0 LARGEST E APPR STACHAT LON SANGIE	8 9 1 5 3 1 1 1 1 5 3 1 1 1 1 1 1 1 1 1 1 1	9.6-5 1016-7 84670 106-7 84670 106-7 84670 106-7 8470 106-7 848	SECONDS 1 4 3 13 13 13 17 18 17 18 17 18 17 18 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	15.4- 18.2- 16.1 22.2 16.5 1 16.5 1 16.5 1 16.5 1 16.5 1 16.5 1 16.5 1 16.5 1 16.1 22.2 16.1 22.2 3	22.3- LUNGER 0 OF CASES =	79732 12195636 12195636 18356 18350 15350 TOTAL 16153768 153768 153768 153768 153768
HEIGHT(METERS) 0 - 0 - 99 1 - 50 - 1 - 49 2 - 50 - 2 - 3 - 49 2 - 50 - 3 - 49 3 - 50 - 3 - 49 4 - 50 - 4 - 99 5 - 70 - 4 - 99 5 - 70 - 4 - 99 FOR ALL MEAN HS(M) = 0.8 PHASE LATOR PHASE LATOR PHASE HEIGHT(METERS)	4,4- 6; 434 35; 435; 352 80; 1324 219 0 LARGEST E APPR STACHAT LON SANGIE	1-0 8-91-5 31 1-0 1149-65-20-61 1-149-65-20-	PER 101-7	SECONDS 4-3 13:4-3 13:4-3 17:8-3 17:8-3 17:8-3 17:8-3 17:8-3 17:8-3 17:8-3 17:3-3 17:	15.4- 18.2- 16.1 22.2 16.5 1 16.5 1 16.5 1 16.5 1 16.5 1 16.5 1 16.5 1 16.5 1 16.1 22.2 16.1 22.2 3	22.3- LUNGER 0 OF CASES =	7973263767676777777777777777777777777777
HEIGHT (METERS)	4,4-6 6 6 4 4 4 4 6 6 6 1 4 5 7 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 9 1 5 4	PER 101-7 10	SECONDS 1 3 4 3 4 3 1 3 5 4 3 1 7 1 8 8 1 7 1 8 8 1 7 1 8 8 1 7 1 8 8 1 7 1 8 8 1 8 1	15.4- 18.2- 16.1 22.8 16.5 1 16.5 1 16.5 1 16.5 1 16.5 1 16.5 1 16.5 1 16.5 1 16.5 1 16.5 1 16.1 22.2 16.1 22.2 16.1 22.2	22.3- LUNGER 0 OF CASES =	79732 12195636 12195636 18356 18350 15350 TOTAL 16153768 153768 153768 153768 153768

	APPROAC LON. ST LINE AN NT OCCU	128 H ANGLI ART= 3: GLE = RRENCE:	20 Y E(RELA 5.16N/ 98.0 1X1000							2Y - 134.9 65W ERS	TOTAL
HEIGHT (METERS) - 0.49 - 0.99 - 1.49 - 1.49 - 1.49 - 1.49 - 1.49 - 1.49 - 1.49 - 1.49 - 1.49 - 1.49 - 1.50 - 1.49 - 1.50 - 1.49 - 1.50 - 1.49 - 1.50 - 1.49 - 1.50 - 1.49 - 1.50	4,4- 0 2553	6.1- 8.2 8.2 8.2 8.2 EST HS	8,1- 9.5 		PERIOD(1016-11-7)	SECOND 1.8-1 13.3 				Z 3- LÖNGER	2635 00 00 00 00 00 00 00 00 00 00 00 00 00
HEIGHT (METERS) - 499 - 199 -	3 ST APPROACE LINE AN NT OCCU 4.4- 6.0	6.1.0 : : : : :	8;1-5 : : : : : :	9.6-5 10.5	PERIODO (10.6-1) 11.7	SECOND 13.3 13.3	\$}4- 1 15.3	5.4- : 18.1 : :	18 2- 2 22:2	2.3- LÖNGER 	TOTAL
MEAN HS(M) = 0. PHASE WAVE LAT. SHOW PERCE HEIGHT(METERS) 0.50 - 1.49 1.500 - 2.349 1.500 - 2.349 1.500 - 3.49 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99 1.500 - 4.99	APPROACL LON. ST LINE AN NT OCCU 4.4- 6.0	128 HS H ANGL! ART = RRENCE 6.1- 8.0		EAR WA TIVE 1 120.81 (DEG.			STATIS N DEGR ENDS DEPTH IOD BY	TICAL EES)= 35.1 = Id.6	SUMMAR 165.0 0N/120. 00 MET CTION	PY 180.0 65W 65W ERS 22.3- LONGER	TOTAL

MEAN HS(M) = 0. LARGEST HS(M) = 0. MEAN TP(SEC) = 0. NUMBER OF CASES = 0





MEAN HS(METERS) BY MONTH AND YEAR WIS STATION 128 (35.16N/ 120.81W TO 35.10N/ 120.65W)

MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC	
R67890123456789012345 R657890123456789012345 F999999999999999999999999999999999999	967797467979671154977	07-4-18000mm600000000000000000000000000000000	4784487666675664898	0000000000000000000000	45,4445,4465,4455,555,6665,	0445MMMN754495466695	47472747644754446695	45500000000000000000000000000000000000	nundanndanndnddddda googoogoogoogoogo	gangangangangangangangangangangangangang	250000000000000000000000000000000000000	36566573079508707773	X-4.พ.ค.พ.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.ค.
MEAN	0.7	0.7	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	9.5	0.6	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 128 (35.16N/ 120.81W TO 35.10N/ 120.65W)
MONTH

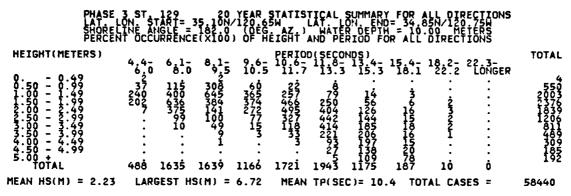
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
711-111-11-11-11-1-1-1-1-1-1-1-1-1-1-1-	าเกอง4044 สากมเกอง484860	979559999999999999999999999999999999999	76792849279892867542	48686MW8069450-NO-169		999967713170099990101	75774587076790689010	866755770666977779823	01010000100000000000	110000011110-110011-110	רידוס ספטדיליחמיטימיחסיטים סבורס דמידורוחמידורומידומים	121221212122222222222222222222222222222

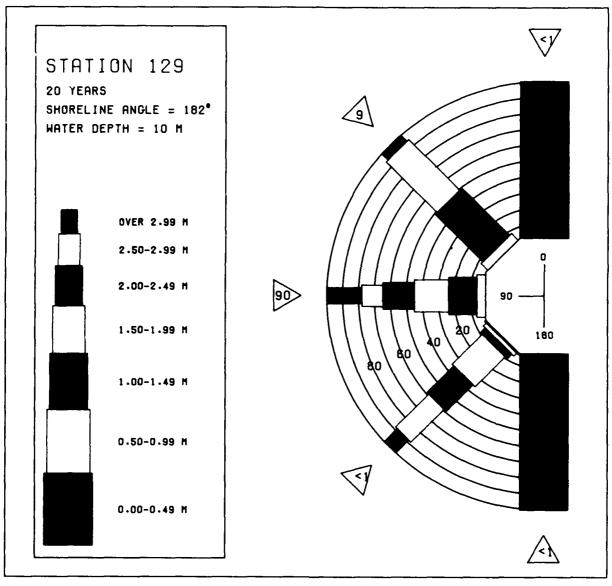
20 YR. STATISTICS FOR PACIFIC STATION128 (35.16N/ 120.81W TO 35.10N/ 120.65W)

MEAN SIGNIFICANT HAVE HEIGHT	0.58 30.46 25.65 11.1
LARGEST WAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS AVER OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	11.1 81.5 59021609

PHASE WAYE LATORE SHORE PERCE	3 ST 129 APPROACH AN LON. START LINE ANGLE NT OCCURREN	20 YE GLE(RELAT 35.10N/1 182.0 CE(X1000)	AR WAVE DIR IVE TO SHOP 20.65W (DEG AZ) OF HEIGHT	ECTION STAT ELINE IN DE AT LON EN WATER DEPT AND PERIOD	ISTICAL SUMM GREES)= 0 D= 34.85N/12 H = 10.00 By Direction	IARY 0.75W14.9 ETERS	
HEIGHT(METERS)	4.4- 6.1 6.0 8	- 8.1- 0 9.5	9.6- 10.6- 10.5 11.7	(SECONDS) 11.8- 13.4- 13.3 15.3	15.4- 18.2- 18.1 22.2	22.3- LONGER	TOTAL
- 0.49 - 0.99 - 0.99 - 1.99 - 1.99	6.0 8		10.5 11.7 	13.3 15.3 : : : : : : : : : : : : : : : : : : :	18.1 22.2	LONGER	00000000000
MEAN HS(M) = 0.	LARGEST	HS(M) = 0	. MEAN	TP(SEC) =	O. NUMBER	OF CASES =	0
	3 ST 129 APPROACH AN LON START: LINE ANGLE NT OCCURREN	GLE(RELAT: 35.10N/1: 35.2000) 4.0000			ISTICAL SUMM GREES)= 15 D= 34.85N/12 H = 1000 BY DIRECTION		
HEIGHT(METERS)	4,4- 6.1 6.0 8	- 8,1- 0 9.5	9.6- 10.6- 10.5 11.7	11.8- 13.4- 13.3 15.3	15.4- 18.2- 18.1 22.2	22.3- LONGER	TOTAL
- 0.49 - 0.49 - 0.499 - 1.499 - 1.499 - 1.499 - 1.500 - 1.44.99 - 1.500 -	à						0000000000
MEAN HS(M) = 0.	•	, HS(M) = 0	. MEAN	TP(SEC) =	•	OF CASES =	0
PASE LAYE SHORE PERCE	3 ST 129 APPROACH AN LON. START LINE ANGLE NT OCCURREN	(GLE(RELAT) : 35.10N/1; = 182.0 (CE(X1000)	AR WAVE DIE IVE TO SHOR IVE 65W (DEG HEIGHT	ECTION STAT ELINE IN DE AT LON EN MATER DEPT AND PERIOD	ISTICAL SUMM GREES)= 45. D= 34.85N/12 H = 10.00 BY DIRECTION	ARY 0 - 74.9 0 754 ETERS	
PIASE IAYE SHORE PERCE HEIGHT(METERS)							TOTAL
	3 ST 129 APPROACH AL LON: START: LINE ANGLE NT OCCURREN 4.4- 6.3 361 105 2369 613 377 1897 613 46 3136 	8 915 15 1707 3 8991 2606 9238 1333			ISTICAL SUMM GREES4.85N/12 D= 34.85N/12 BY DIRECTION 15.4- 18.2-2 18.1 22.2		TOTAL 3634954600 279369600 0
HEIGHT(METERS) 0.49 0.500 - 0.49 0.500 - 1.00 0.500 - 0.49 0.500 - 0.49 0.500 - 0.49 0.500 - 0.49	4.4- 6.3 150 8.3 361 105 2368 377 1897 613 46 316 533 533 533 533 533	8 1 5 1 5 1 707 3 891 2 606 9 20 4 38 1 1 3 3 6 9 7 1 6 2	9.6- 16.6- 10.5 11.7 422 155 701 47 422 155 701 316 234 121 232 121 269 1320	SECONDS 1 4-3 15-3 15-3 15-3 15-3 15-3 15-3 15-3 15	15.4- 18.2- 18.1 22.2	22.3- LONGER 	36533333333333333333333333333333333333
HEIGHT (METERS) 0.199 0	4.4-0 8 361 105 2366 3777 1897 6133 4687 1471 4687 1471	8.1- 157 1606 178 18091 2606 4338 1333 1333 1333 1336 1336 1336 1336 1336 1336 1336 1336 1336 1336 1336 1346 1356 1367 1368 1376 1	9.6-5 16.6- 10.6-7 16.6- 10.6-7 14.7 42.2 15.5 7.51 32.6 3.0 12.1 26.9 132.0 .18 MEAN AR WAVE SHORT 10.6-5-WAZ 1.1 10.6-6-5-WAZ 1.1 10.6-6-6-WAZ 1.1	SECONDS 1 4-3 15-3 15-3 15-3 15-3 15-3 15-3 15-3 15	15.4- 18.2- 18.1 22.2 	22.3- LONGER 	3153333335510 3273495335510 115364622 100 19670
HEIGHT (METERS) 0.49 0.50 - 0.49 0.500 - 0.49 0.500 - 0.49 0.500 - 0.49 0.500 - 0.49 0.500 - 0.49 0.500 - 0.49 0.500 - 0.49 0.500 - 0.49 0.500 - 0.49 0.500 - 0.49 0.500 - 0.49 0.500 - 0.49 0.500 - 0.49 0.500 - 0.49 0.500 - 0.49 0.600 - 0.49 0.600 - 0.49	4.4- 6.3 361 105/ 2361 377/ 1897 3136 4687 1471 LARGEST 4687 1471 LARGEST 3 ST CHARLENT OCCURRENT NT OCCURRENT	8.1- 157 1606 178 18091 2606 4338 1333 1333 1333 1336 1336 1336 1336 1336 1336 1336 1336 1336 1336 1336 1346 1356 1367 1368 1376 1	PERIOD 1016-7 701 47 701 417 701 417 701 417 701 417 701 417 2034 121 2034 121 2034 120 	SECONDS) 113.3 15.3 15.3 20.5 142.2 126.6 142.2 126.6 144.2 126.6 144.2 126.6 144.2 126.6 144.2 126.6 144.2 126.6 144.2 126.6 144.2 126.6 144.2 126.7	15.4- 18.2- 18.1 22.2 18.1 22.2 18.1 22.2 0 0 7.8 NUMBER ISTICAL SUMM GREES = 75.2 1 = 10.800 1 M BY DIRECTION 15.4- 18.2- 18.1 22.2	22.3- LONGER 	31533333333333333333333333333333333333
HEIGHT (METERS) 0.199 0.500 - 0.499 0.500 - 1.2.99 0.500 - 2.99 0.500 - 2.99 0.500 - 2.99 0.500 - 2.99 0.500 - 2.99 0.500 - 1.6.99 0.500 - 1	4.4-0 8 361 105 2368 3777 1897 3533 4687 1471 4687 1471 4687 1471 4687 1471 4697 1471 4697 1471 4697 1471 4697 1471 4697 1471 4697 1471 4714 1471	8 9 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	PERIOD 7 1 1 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SECONDS 1 4-3 15-3 15-3 15-3 15-3 15-3 15-3 15-3 15	15.4-1 8 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	22.3- LONGER 	36757365100 277576022 307155141 1155169267089 70 TAL 07793773239939 1155169267089 291609267089 11117747511

	ST 12 PPROACH ON STAR INE ANGU T OCCUPR	ANGLE T= 35. E = 18	20 YE RELAT 10N/1 200 (1000)			ECTION : ELINE II AT. LON WATER I AND PER		ICAL EES)= 34.85 10.0 DIREC	SUMMAR 105.0 N/120 N HET TION	Y - 134.9 75W ERS	
HEIGHT(METERS)	4,4- 6	å.0 é	9.5	9.6- 10.5	PERIOD	(SECOND 113.3	5) 3,4 <u>-</u> 1	.4- 1 .8.1	8.2- 2 22.2	2 3- LÓNGER	TOTAL
99999999999999999999999999999999999999	464- 610 17	•	•	i i	:	13.3		:	:	LUNGER	17
1.00 - 1.49	17 20 3	3537 6687 11	5504785 133331			:	•	:	•	•	25 143 110
2.50 - 2.99 3.00 - 3.49	:	87 10	34 37	2123715	5 3	1Ġ	:	:	:	:	154 55
3.50 - 3.99 4.00 - 4.49 4.50 - 4.99	•	1	18	5	3	:	•	:	:	•	175530453000 2415521 111
- 0.49 0.50 - 0.49 1.500 - 1.249 2.500 - 2.49 2.500 - 4.99 3.500 - 4.99 4.500 - 4.99 5.00 - 4.99 5.00 - 3.49 4.500 - 4.99 5.00 - 3.49 4.500 - 4.99 5.00 - 3.49 4.500 - 3.49 6.000 - 3.49	47 a	29 1	.64	67	11	ı i	ò	Ö	Ö	Ö	ŏ
MEAN HS(M) = 2.39	LARGES	T HS(F	1) = 4	.41	MEAN	TP(SEC)	= 8.0	NUM (BER OF	CASES =	317
PHASE Y	ST. 12 PROÁCH	9 ANGLE	20 YE	AR HA	VE DIR	ECTION	STATIST N DEGRE	ICAL ES)=	SUMMAR	Y - 164.9	
LAT. LO SHOREL	ON. STAR INE ANGL	RT= 35. E = 16	100/1	.20.65 (DĚG.	W L AZ.}	ECTION SELINE IN AT. LON WATER AND PER	PERTE.	34.85 10.0	N/120 0 MET TTON	75W ERS	
HEIGHT(METERS)											TOTAL
0 - 0 49	4640	8,0	9.5	9.6- 10.5	111.7	(SECOND 11.8- 1 13.3	15.3	8.1 8.1	8.2- 2 22.2	2.3- LÖNGER	9
	;	:	:	÷	:		÷	:	:	:	90011000000
1.50 - 1.99 2.00 - 2.49 3.50 - 2.49	1	i	:	:	:	:	:	:	:	:	1
3.00 - 3.49 3.50 - 3.99	:	:		:	:	:	:	:	:	:	ŏ
4.00 - 4.49 4.50 - 4.99	:	:	:	:	:	•	:	:	:	:	ŏ
	4	Ż	Ċ	Ġ	Ö	Ô	Ô	Ö		Ó	
MEAN HS(M) = 0.57	LARGES	T HS(M	() = 2	2.00	MEAN	TP(SEC)	= 6.3	S NUM	BER OF	CASES =	8
==											
PHASE WAVE A	PROÁCH ON STAI	ANGLE	RELAT	IVE T	O SHOR	ELINE I	N DEGRI	ICAL ES)=	SUMMAR 165.0 N/120	Y - 180.0 754	
SHOREL PERCEN	ST. 12 PROACH ON. STAR INE ANGU F OCCURR	ENCE ()	(1000)	TĎÉĞ~	ÃZ.) EÎGĤT	ECTION ELINE II AT. LON WATER I	PEPTH :	DÍRĖC	O HET	ÉŘŠ	
HEIGHT(METERS)						(SECOND 11.8- 1					TOTAL
0 0.49	ૺૼૼૼૼૢૺૼૼૼૼૺ૽ૺૼૺ૾૽ૼૺ૽૽ૼૺ૽૽ૼૺ૽૽ૼૺ૽૽ૼૺ૽૽ૼૺ૽૽ૼૺ૽૽	8.0	9.5 •	906.5 10.5	Tii.7	13.3	15.3 T	8.1	22.2	Z 3- LÖNGER	6
- 0.49 - 0.49 - 1.49 - 1.49 - 1.249 - 1.249 - 1.249	:	:	•	•	:	:	•	:	•	:	Ŏ
2.00 - 2.49 2.50 - 2.99	:	:	:	:	:	:	:		:	:	ŏ
99999999999999999999999999999999999999	:	:	•	:	:	:	:	:	:	:	000000000000000000000000000000000000000
0.50 - 112249 1.50 - 112249 1.50 - 12249 1.50 - 23349 1.50 - 23349 1.50 - 44.99 1.50 - 44.99	:	:	:	•	•	•	:	:	:	:	ŏ
TOTAL MEAN HS(M) = 0 06	6 LADGE	0 5T HS(M	0 1) = 0	0	ME AN	O TP(SEC)	0 = 4.5	0 - NiiM	0 RFD OF	0 CASES =	4
HEAR HOURS - 9 00	LARGES	,	,, – 0	,	HEAN		- 4.:	, 11011	JEK OF		7





HIS STATION 129 (35.10N/ 120.65W TO 34.85N/ 120.75W)

MONTH

	JAN	FEB	MAR	APR	MAY	HUL	JUL	AUG	SEP	OCT	NOV	DEC	
747-890123-45-67-8901-23-45 R67-8901-23-45-67-8901-23-45 E999999999999999999999999999999999999	7-67-200-64-90-0017-4017-69-4-09-4	o-o-t-modo-d-do-un-to-un-d-do-do-	ณณณณาณณณณณณณฑฑณณฑฑณณ พ.ศ พ	Contraction of the following the contractions of the contraction of th	7-00-7-0-00-1-0-7-0-0-1-0-0-0-0-0-0-0-0-	077946690917600700017	44440000045477-069097	64 cm cuo di minorativa di manda del minorativa di manda	2446-m447-m684m46m64m	686-489-00-697-997-94-088	144man-10-0mの4m47-m4-001	4-870000-1-1-7-4-7-0001-809-67-6 	A Co-encil-a-t-energy-sendingent-inc
MEAN	3.1	3.1	2.6	2.3	1.9	1.8	1.6	1.4	1.4	1.9	2.5	3.2	

LARGEST HS(METERS) BY MONTH AND YEAR

WIS STATION 129 (35.10N/ 120.65W TO 34.85N/ 120.75W)

MONTH

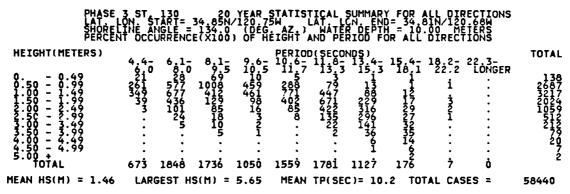
	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890-12374567890-123745 45123766666666667777777 1070-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	thousethought onooth	400000440404040404040	NOTING THE PROPERTY OF THE PRO	94644m4m4m4m4466m448	HACHINALINA CONTRACTOR	21-107-7-02-1-04-07-000-07-01-14	นองกับสายางการการการการการการการการการการการการการก	00000000000000000000000000000000000000	ณาระบาคระบายการเการะบายการะบา	Noceded and the second	THOUTHOUTH THOUSENED ON THE THOUSE ON THE THOUSE ON	904990000000460M00000

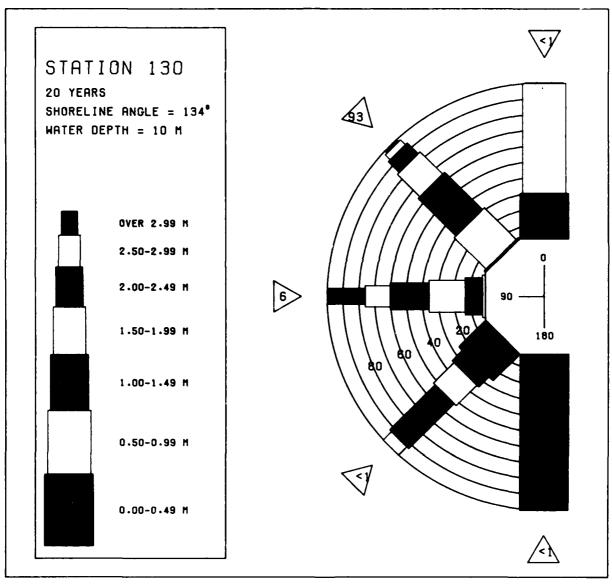
20 YR. STATISTICS FOR PACIFIC STATION129 (35.10N/ 120.65W TO 34.85N/ 120.75W)

MEAN SIGNIFICANT HAVE HEIGHT (METERS) MEAN PEAK HAVE PERIOD (SECONDS) MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES) STANDARD GEVIATION OF HAVE HS	2.2 10.4 90.0
STANDARD DEVIATION OF HAVE HS (METERS) STANDARD DEVIATION OF HAVE TO (SECONDS) LARGEST HAVE HS	\$: 7
MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES) STANDARD DEVIATION OF MAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (SECONDS) LARGEST MAVE HS WAYE TP ASSOCIATED WITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	14.3

PHASE HAYE LATE SHORE SHORE PERCE HEIGHT(METERS)			AVE DIRECTION TO SHORELINE 5W LATTIC HEIGHT AND PE PERIOD (SECON 10.67 13.3			TOTAL
0.50 - 0.499 1.50 - 1.499 2.500 - 2.749 2.500 - 2.749 2.500 - 3.749 2.500 - 4.499 2.500 - 4.99 2.500 - 4 5.00 + 4 MEAN HS(M) = 0.15	4.4- 6.1- 5.8 5.8	8;1- 9;6- 9:5 10:5 : : : : : : : : : : : : : : : : : : :	111.7 13.3	15.3 16.1	18.2- 22.3- 22.2 LONGER	580000000000000000000000000000000000000
MEAN HS(M) = 0.15		S(M) = 0.50	MEAN TP(SEC	•	UMBER OF CASES	3 = 34
			AVE DIRECTION TO SHORELINE SW LAT LO HEIGHT AND PE			•
HEIGHT (METERS) 0.949999999999999999999999999999999999	4 : 6 : 6 : 6 : 6 : 6 : 6 : 6 : 6 : 6 :	8 1 - 9.6 - 5 10.5 201 1400	PERIOD (SECON 10.6-11.8- 11.7 13.3	IDS) 4- 15.4- 15.3 18.1	18.2- 22.3- 22.2 LONGER	TOTAL 377 7028 3114 205 000 000
TOTAL MEAN HS(M) = 1.14	6249 13043 LARGEST H	435 Ó S(M) = 2.81	Ó Ó MEAN TP(SEC	Ó Ö () = 6.5 N	ÖÖÖ UMBER OF CASES	s = 11533
PHASE WAYE LAT SHORE PERCE	APPROACH ANG LON, START= LINE ANGLE NT OCCURRENC	20 YEAR W LE(RELATIVE 34.85N/120.7 134.0 (DEG E(X1000) OF	AYE DIRECTION TO SHORELINE SW LATIE HEIGHT AND PE	STATISTICA IN DEGREES) N END= 34 N DEPT = 10 RIOD BY DIR	L SUMMARY = 45.0 - 74. 81N/120.68H .00 METERS ECTION	.9
PHAYE - E - E - E - E - E - E - E - E - E -	4.00 113546 4.00 113546 4.00 113556 4.00 11356 4.00 11356	8 9155 4596555 98880 122 9884447 1155 122 1155 r>122 122 122 122 122 122 122 122	AVE DIRECTION TO SHORELINE SW AZ DATER HEIGHT PER 100 (12 to 12 to	151-177-14-094-810 151-177-14-094-810 151-177-17-094-810 151-177-17-094-810 151-177-17-094-810 151-177-17-094-810 151-177-17-094-810 151-177-17-094-810 151-177-17-094-810 151-177-17-094-810 151-177-17-094-810 151-177-17-094-810 151-177-17-094-810 151-177-17-094-810 151-177-17-094-810 151-177-17-094-810 151-177-17-094-810 151-177-17-094-810 151-177-17-094-810 151-177-17-094-810 151-17-094-81 151-17-094-81 151-17-094-81 151-17-094-81 151-17-094-81 151-17-094-81 151-17-		TOTAL
HEIGHT(METERS) 0.949 0.500 - 0.949 1.500 - 1.999 1.500 - 2.999 1.500 - 3.499 4.500 - 4.99 1.500 + 1.99 1.500 + 1.99 1.500 + 1.99 1.500 + 1.99 1.500 + 1.99 1.500 + 1.99 1.500 + 1.99 1.500 + 1.53	4.4-0 6.1-0 6.0 14866 80 113522 11 563 11 563 11 6 4626 LARGEST H	8,1- 6755 9885 4596 1204 1204 1355 10568 10432 S(M) = 5.65	PERIOD(SECON 10.6-1138-3 2883 792 4010 6706 850 1244 75 1245 	IDS) 4-3 15.4-1 15.4-3 16.17 15.1-1 17.7-1 15.1-1 17.1-1 15.1-1 17.1-1 1	18.2- 22.3- 22.2 LONGER 11	TOTAL 1 955 19817 22967 16817 9978 4958 746 21976 28 5 = 45860
HEIGHT(METERS) 0.949 0.500 - 0.949 1.500 - 1.999 1.500 - 2.999 1.500 - 3.499 4.500 - 4.99 1.500 + 1.99 1.500 + 1.99 1.500 + 1.99 1.500 + 1.99 1.500 + 1.99 1.500 + 1.99 1.500 + 1.99 1.500 + 1.53	4.4-0 1135633 1.4-0 113563 1.6-0 113563 1.6-0 113563 1.6-0 113563 1.6-0 113683 1.6-0	8 1- 9 0 6-5 9895 4596 1204 4596 1204 1335 16568 10432 S(M) = 5.65 LE(REAL E 16568 10432 S(M) = 5.65 LE(REAL E 16568 10432 S(M) = 5.65	PERIOD (SECOND 10 16 7 13 13 13 13 13 13 13 13 13 13 13 13 13	15.0 - 15.3 - 16.2 - 16	18.2- 22.3- 22.2 LÖNGER 11 35 13 13 14 14 16	TOTAL 9551 19861778 19861778 19861778 19861778 19861778 19861778 19861778 19861778 19861778 19861778 19861778 19861778 19861778 19861778 19861778 19861778 19861778 1986178 19861778 19861778 19861778 198617

PHASE HAVE ALL SHOREL PERCEN	3 ST 130 PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	LE(RELATÎ 34.85N/12 134.85N/12 E(X1000)	R WAVE DII VE TO SHO 0.75W DEG. AZ.) OF HEIGHT	RECTION RELINE I LAT LON MATER AND PER	STATISTIC N DEGREES DEPTH = 1 IOD BY DI	AL SUMMAR)= 105.0 .81N/120. 0.00 MET RECTION	Y - 134.9 68W ERS	
HEIGHT(METERS)	4,4- 6,1- 10 8,3	8,1- 9	PERIO 0.5 11.7	SECOND 11.8~1 13.3	5) 3:4- 15.4 15.3 18.	ī 18,2- 2 ī 22.2	2 3- LÖNGER	TOTAL
99999999999999999999999999999999999999	17 22 17 25 25 10	53861	i :				:	1348462000
0.4999999999999999999999999999999999999	. 1 : : 50 137	1 : 43	: : i	: ò	: : : :	: : ò	: : ó	2000
MEAN HS(M) = 2.08	LARGEST H	S(M) = 3.	73 MEAN	TP(SEC)	= 7.0	NUMBER OF	CASES =	140
PHASE MAYE A LAYE L SHORL PERCEN	3 ST 130 PPROÁCH ÁNG ON. STÁRT= INÉ ÁNGLE = T OCCURRENC	LE(RELATÎ 34.85N/12 134.00() E(X1000)				AL SUMMAR)= 135.0 .81N/120. 0.00 MET RECTION	Y - 164.9 68W ERS	
HEIGHT(METERS)	4,4- 6,1- 6,0 6.0	8,1- 9 9.5 1	PERIO 0.6- 10.6- 0.5 11.7	0(\$EÇOND 13.3	§) 3.4- 15.4 15.3 18.	- 18.2- 2 1 22.2	2 3- LÖNGER	TOTAL
99999999999999999999999999999999999999	8 .	:		: : : :		:	:	80000000000
3.50 - 3.77 4.00 - 4.49 4.50 - 4.99 5.00 + TOTAL	 	: : 0	: : • • •	: : ò	: : 0 0	:	: : 0	000
MEAN HS(M) = 0.06	LARGEST H	S(M) = 0.	09 MEAN	TP(SEC)	= 4.7	NUMBER OF	CASES =	5
PHASE A WAY: A LAY: A SHOREL PERCEN	3 ST 130 PPROÁCH ÁNG ON START= INÉ ANGLE = T OCCURRENC	20 YEA LE(RELATI 34.85N/12 134.0 E(X1000)	R WAVE DI VE TO SHO 0.75W DEG AZ.) OF HEIGHT	RECTION RELINE I LAT LON WATER AND PER	STATISTIC N DEGREES DEPTH = 1 100 By DI	AL SUMMAR)= 165.0 .81N/120.0 0.00 MET RECTION	Y - 180.0 68W ERS	
HEIGHT(METERS)	4,4- 6,1- 6.0 8.0	8,1- 9 9.5 1	PERIOR 6- 10.6- 0.5 11.7	113.3 13.3	§) 3.4- 15.4 15.3 18.	- 18.2- 2 1 22.2	2.3- LONGER	TOTAL
99999999999999999999999999999999999999		:		:		: : :	:	0000000000
3.50 - 3.49 4.50 - 4.49 4.50 - 4.99 5.00 + TOTAL	: : : :	: : à	: : : :	: :	: : : : : : : : : : : : : : : : : : :	: : ò	: :	0000
MEAN HS(M) = 0.	LARGEST H	S(M) = 0.	MEAN	TP(SEC)	= 0.	NUMBER OF	CASES =	0





MIS STATION 130 (34.85N/ 120.75H 10 34.81N/ 120.68H) MONTH

	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC	
R67890123456789012345 R67890123456789012345 F6799999999999999999	8-011-10-4-60-000-00-00-00-00-00-00-00-00-00-00-00	0-607140048-1-1-100000-1-100-1-100-1-1	47-68-19-67-8805-59-9-87-8	440m62m464m46998m792	NOODNAME TO THE POST OF THE PO	4-1-10-10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	08097700300921-01-3542	1968879818988999611110	010100111011000101010	07040-1740-1040-140-141	איניינייניינייניינייניינייניינייניינייני	6000990-10-10009000000000000000000000000	Maria de la la la la la la la la la la la la la
MEAN	2.0	2.1	1.7	1.5	1.3	1.2	1.1	0.9	0.9	1.2	1.6	2.1	

LARGEST HS(METERS) BY MONTH AND YEAR WIS STATION 130 (34.85N/ 120.75W TO 34.81N/ 120.68W) MONTH

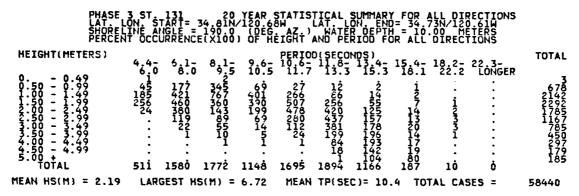
	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 R555566666666777777 E99999999999999999	NOTE SUPPLY AND SUPPLY	agamakadan-ngkinga-kadan	99987946976มกระทางกระท พณะนาณภาคาณณณณณฑารากเกราก	7776754565000000000000000000000000000000	าเกอ-สาการตายการตามาสาราชายการตามาสาการตามาสาการตามาสาการตามาสาการตามาสาการตามาสาการตามาสาการตามาสาการตามาสากา	งงงงารระบางงงารระบางจากระบางจากระบางจากระบางจากระบางจากระบางจากระบางจากระบางจากระบางจากระบางจากระบางจากระบางจาก	בייים ביים בייים בייים בייים בייים בייים בייים בייים בייים בייים	044774044444447444444444444444444444444	79.682.67.67.79.62.60.07.47.2	Generalization de la company d	のからのログイタンロン・マイクンのコイタンコン・マイン・マイン・マイン・マイン・マイン・マイン・マイン・マイン・マイン・マイ	6244697178975757500950

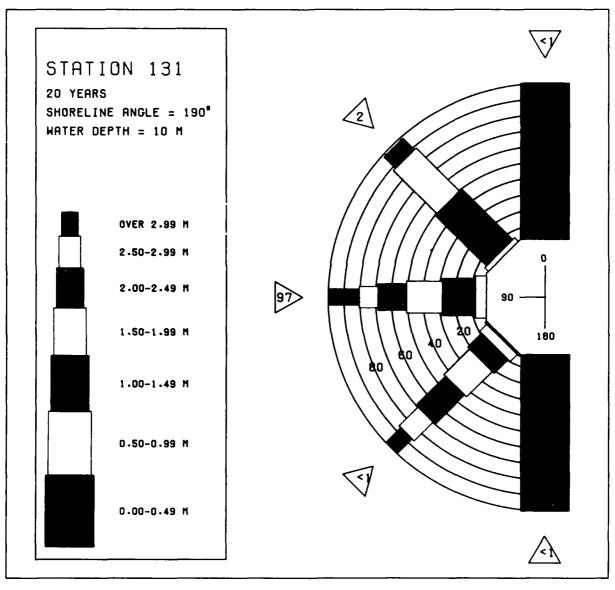
20 YR. STATISTI	S FOR	PACIFIC	STATION130	(34.85N/	120.75W	TO 3	34.81N/	120.68W)
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MEAN SIGNIFICANT MAYE HEIGHT (METERS) MEAN PEAK MAYE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES)	10:2
MEAN SIGNIFICANT MAVE HEIGHT MEAN SIGNIFICANT MAVE HEIGHT MEAN PEAK MAVE PERIOD MOST FREQUENT 30.0 DEGRÉE (CENTÉR) DIRECTION BAND . (SECONDS) STANDARD DEVIATION OF MAVE HS STANDARD DEVIATION OF WAVE TP (SECONDS) LARGEST MAVE HS LARGEST MAVE HS METERS) MAVE TP ASSOCIATED MITH LARGEST WAVE HS (SECONDS) AVERAGE DIRECTION ASSOCIATED MITH LARGEST WAVE HS (DEGREES) DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	60.0 0.7 2.8
LARGEST MAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS OCCURRENCE IS (YR, MO, DA, HR)	5.7 16.7
DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	69121318

PHASE WAYE SHORE PERCE HEIGHT(METERS)	3 ST. 131 APPROACH ANGLE LON START= 34 LINE ANGLE = 1 NT OCCURRENCE(4,4- 6,1-		VE DIRECTION O SHORELINE W LAT. LOI AZ.) WATER EIGHT AND PEI PERIOD(SECON 11.7 13.3			TOTAL
99999999999999999999999999999999999999	4,4-ō 6,1-ō	8 9 1 5 9 6 6 5 1 0 . 5 1	**************************************	13.4- 15.4- 15.3 18.1	18.2- 22.3- 22.2 LONGER	000000000000000000000000000000000000000
TOTAL MEAN HS(M) = 0.	ů Ö Largest HS(Ö Ö MEAN TP(SEC	0 0)= 0. NU	ÖÖÖ MBER OF CASES =	-
PHASE WAYE LATE SHORE PERCE	APPROACH ANGLE LON. STARTE 34 LINE ANGLE 34 LT OCCURRENCE	20 YEAR WA (RELATIVE 66 60 00 (DEG 2000) OF H	VE DIRECTION O SHORELINE W LAT LO WATER EIGHT AND PE	STATISTICAL IN DEGREES): N. ENDE 34: DEPTH = 10: RIOD BY DIRE		
HEIGHT(METERS)	4,4- 6,1- 6.0 6.0	8 _{9.5} 10.5	PERIOD(SECON 10.6~ 11.8- 11.7 13.3	05) 13.4- 15.4- 15.3 18.1	18.2- 22.3- 22.2 LONGER	TOTAL
0.57999999999999999999999999999999999999						00000000000
MEAN HS(M) = 0.	LARGEST HS(M) = 0.	MEAN TP(SEC) = 0. NU	MBER OF CASES =	0
	APPROÀCH ÂNGLE LON. STAPT= 34 LINE ANGLE = 1 NT OCCURRENCE				SUMMARY 45.0-174.9 3N/120.61W 00 METERS CTION	T 0 T 11
HEIGHT(METERS) 0.50 - 0.49 0.50 - 1.49 1.50 - 1.49 2.50 - 2.49 3.50 - 3.49 3.50 - 3.49 4.50 - 4.49 4.50 - 4.99 5.00 + 7.50	297 581 1598 1480 1937 2149 143 1038 . 17 	8 9.5 10.5 9.5 10.5 20.5 78 22.70 22 24.70 22 24.70 22 24.70 22 24.70 22 24.70 22 24.70 22 24.70 22 24.70 22 24.70 22 24.70 22 25.70 22 26.70 22 27.70 27.70 22 27.70 27.70 22 27.70	PERIOD(SECON 10.6-11.8- 11.7-13.3 23-17- 75-61 8 32 	053 4- 15.4- 15.3 16.1 	18,2- 22,3- 22.2 LONGER 	1136 1712 4466 1457 2564 0
MEAN HS(M) = 1.56 PHASE WAYE LAYE SHORE PERCE	LARGEST HS(3 ST. 131 APPROACH ANGLE LON. START= 34 LON. START= 34 LON. STARTE = 14 LON. S	20 YEAR WA (RELATIVE T 90.0 (DEG	VE DIRECTION O SHORELINE O LAT. LO	STATISTICAL IN DEGREES)= 1. END= 34.7 DEPTH = 10.	MBER OF CASES = SUMMARY 75.0 - 104.9 3N/120.61W 00 METERS CTION	6494
HEIGHT(METERS) 0.50 - 0.49 0.50 - 1.99 1.500 - 1.99 2.500 - 1.99 2.500 - 3.99 2.500 - 3.99 2.500 - 3.99 2.500 - 3.99 2.500 - 3.99 2.500 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 5.00 - 4.99 6.00 - 4.90 6.00 -	1096 10229 16	8 1- 9 0.5 9 10.5	PER JOD (SECONI 10.6 - 113.3 211.7 113.3 25.4 103.3 25.4 15.4 15.3 16.3 15.3 140 140 140 140 140 140 140 140 140 140	CTION	TOTAL 44766370002222 57632376227006 667837757800 667837757800 6678775775700 667877577570 667877570 66777570 667877570 6677750 667770 6677750 6677750 6677750 6677750 667770 6677750 6677750 6677	

	ST.1 PROACH ON. STA NE ANG OCCUR	31 ANGLI RT = 30 LE = 1 RENCE	20 Y RELA 101N 190 0 X1000			ECTION ELINE I AT. LON WATER AND PER		TICAL EES)= 34.73 = 10.0 DIREC	SUMMAR 105.0 N/120 O ME1 TION	7Y - 134.9 61W TERS	
HEIGHT(METERS)	4.4- 6.0	6.1- 8.0	8,1-	9.6- 10.5	PERIOD	(SECOND 11.8-1	5) 3,4- 1	5.4- 1 18.1	8,2- 2	22.3- LÖNGER	TOTAL
0.50 - 0.49 0.50 - 0.49 1.500 - 1.49 2.500 - 2.49 2.500 - 3.49 3.500 - 4.49 4.500 - 4.99 5.00 - 4.99 5.00 - 4.99	10 41 41	20742	15000000	15 18 17 1	1	10	:	:		:	1937 1027 1027 1000
4.50 - 4.99 5.00 +	rà	184	124	60	22	1 Ġ		Å	ò		0
MEAN HS(M) = 2.12		ST HS	(M) ≈	3.95		TP(SEC)	≈ 8.	O NUM	BER OF	CASES =	275
	ST. 1 PROACH ON STA INE ANG I OCCUR	31 ANGLI RT= 39 LE = 39 RENCE	20 Y (RELA (81N/ 1900 (X1000					TICAL EES)= 34073 = 1076 DIREC	SUMMAR 135.0 N/120 0 ME1 TION	RY - 164.9 61W TERS	
HEIGHT(METERS)	4.4- 6.0	6.1- 8.0	8,1 _~	9.6- 10.5	PERIOD	(SECOND 11.8-1	5) 3,4- 1	5.4- 1 18.1	8,2- 2	22.3- LONGER	TOTAL
0.50 - 0.49 0.50 - 1.49 1.500 - 1.49 2.500 - 2.49 2.500 - 3.49 3.500 - 3.99 4.500 - 4.99 5.00 + 4.99 5.00 + 4.99 5.00 + 4.99	464- 610	6 8 3 1 5 6 1 · · ·	7.5	:	:	:	15.3		:	CONGER	4108610000
4.50 - 4.99 5.00 +	&	16	Ò	Ò	Ò	Ō	Å	Ò	Ō	ŏ	0
MEAN HS(M) = 1.53	LARGE		(M) =	2.55	MEAN	TP(SEC)	= 6.	5 NUM	BER O	F CASES =	14
	ST.1 PROACH ON STA INE ANG OCCUR	31 ANGLI RT= 39 LE = RENCE	20 Y (RELA 4.81N/ 190.0 (X1000							RY - 180.0 61W TERS	
HEIGHT(METERS)	4,4- 6,0	6.1- 8.0	8,1-	9.6- 10.5	PERIOD	(SECOND 11.8-1	5) 3,4- 1 15.3	5.4- 1 18.1	8,2- 2	22.3- LÓNGER	TOTAL
- 0.49 - 0.99 1.500 - 1.99 2.500 - 2.349 2.500 - 2.349 3.500 - 4.99 4.500 - 4.99 5.00 + 4.99	3		9.5 : : : : : : 0			13.3 : : : : : : : : : : : : : : : : : :				LONGER	30000000000000000000000000000000000000
MEAN HS(M) = 0.07	LARGE	31 H3	(1() =	V. VO	TEAN	17(366)	= 4.	a MUN	DER UI	- CASES -	۷





WIS STATION 131 (34.81N/ 120.68W TO 34.73N/ 120.61W)

MONTH

	MAL	FEB	MAR	APR	MAY	NUL	JUL	AUG	SEP	OCT	NOV	DEC	
71111111111111111111111111111111111111	มมา6-19มาค9-07-มายามา47-1-18-64 ขณะทำคนากของ4-ขณาคองจากจะทำคองจ	のいっぱい かいっぱい いいん かいいん かいりょう かいかい かいかい かいかい かいかい かいかい かいかい かいかい かい	NOTE TO SECULATION OF THE PROPERTY OF THE PROP	01094819492169970798	764987678177799890488	077871520990758870921-7	4245-1-15594457-65-68207	om-successions demand on the	N445-N446M684N47-M949	685-17992687597684988	144m6-1-100000 mm46m44m1	CAPITATION OF THE CONTRACT OF	NOGRANDOGONILLLIANA ANIMA 49 ERANDRANDARANDARANDARANDALI M
MEAN	3.0	3.0	2.6	2.3	1.9	1.8	1.5	1.4	1.4	1.8	2.5	3.1	

LARGEST HS(METERS) BY MONTH AND YEAR
WIS STATION 131 (34.81N/ 120.68W TO 34.73N/ 120.61W)
MONTH

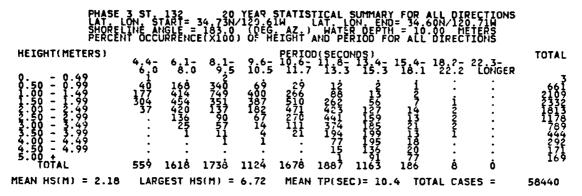
	HAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Y-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	THOOLIGATION OF THE THOOLI	นางอกอง รายามาการกองการการการการการการการการการการการการการก	474446m4444m4mongana	adriandendentandendende	กทางมางมางมามางมามางมามางมามา	0#7077771071560110161100007	ณนานการ สมาราชายกรรมการการการการการการการการการการการการการก	99149479999+1440277760	<u> </u>	าเกาะปลิติสิติเกราการจะสำรับการ จะการระบาท	455-65-65-65-65-65-65-65-65-65-65-65-65-6	40000000000000000000000000000000000000

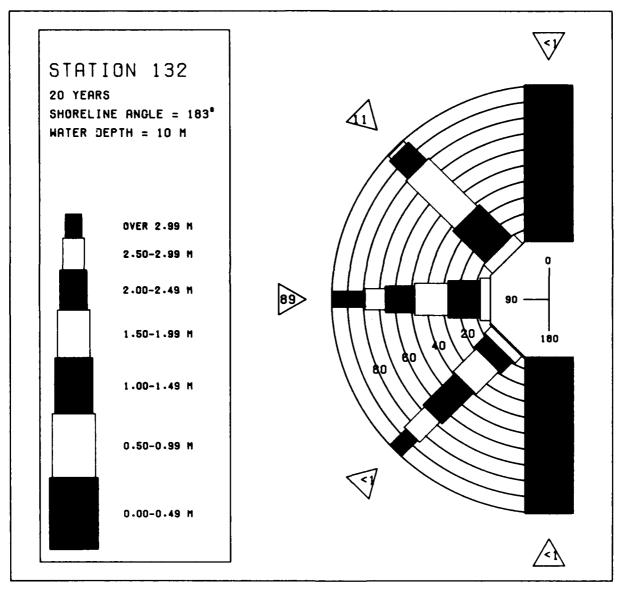
20 YR. STATISTICS FOR PACIFIC STATION131 (34.81N/ 120.68W TO 34.73N/ 120.61W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS) MEAN PEAK WAYE PERIOD MOST EPERIOD (SECONDS)	10.4
MEAN SIGNIFICANT MAVE HEIGHT MEAN PEAK MAYE PERIOD MOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGREES) STANDARD DEVIATION OF MAVE HS (METERS) STANDARD DEVIATION OF WAVE TP (METERS) LARGEST MAVE HS	1.0 2.7 6.7
LARGEST MAVE HS WAYE TP ASSOCIATED WITH LARGEST WAVE HS AVERAGE DIRECTION ASSOCIATED WITH LARGEST WAVE HS DATE OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	14.3 84.1 58040303

LAT SHOP PERI	SE 3 ST - E APPROACH LON. STAI RELINE ANG CENT OCCURI	32 ANGLE(RE RT= 34.73 LE = 183. RENCE(X10	YEAR MAY LATIVE TO NV120.611 0 (DEG. 100) OF H	VE DIRECTI O SHORELIN W LAT AZ.) WAT EIGHT AND	ON STATIST E] DEGRE LON END= ER DEPTH : PERIOD BY	TICAL SUMM EES)= 0. 34.60H/12 = 10.00 M DIRECTION	ARY 0.71H ETERS	
HEIGHT(METERS)		6 1 ~ 8 · 1	5 9.6- 5 10.5	PERIOD(SEC 10.6- 11.8 11.7 13.	ONDS) = 13.4- 19			TOTAL
99999999999999999999999999999999999999	6.0	8.0 9.	5 10.5	111.7 13.	3 15.3 1	lė.1 18:2- 18:1 22:2	22 3- LONGER :	0000000000
11 1 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	:		:	: :	:	: :	:	8
4:00 - 4:43 4:50 - 4:99	•		:	: :	•	: :	•	Ŏ
TOTAL	Ó	ō ō	•	ò ò	Ġ	 Ò Ò	Ö	ŏ
MEAN HS(M) = 0.	LARGES	ST HS(M)	= 0.	MEAN TP(S	EC) = 0.	NUMBER (OF CASES =	0
PHAS WAVE LAT SHOR PERC MEIGHT(METERS)	SE 3 ST 1: E APPROACH LON. STAP RELINE ANGE EENT OCCURE	52 ANGLE(RE 37 = 34.73 ENCE(X10			ON STATIST E IN DEGRE LON. END= ER DEPTH = PRRIOD BY	ICAL SUMM. ES)= 15. 34.60h/12: 10.00 M DIRECTION	ARY 0 - 44.9 0.71W ETERS	
_	4,4-	8.0 8.1	5 9.65 i	PERIOD(SECO 10.6 11.8 11.7 13.	DNDS) - 13.4- 15 3 15.3 1	8.1 22.2	22.3- 10NGED	TOTAL
0.50 - 0.49 1.00 - 1.49	10 56 17	: :	:	: :	:	: ::	·	10 10
99999999999999999999999999999999999999	17		:	: :	:	: :	:	17
2.500 - 3.99 3.500 - 3.99 3.500 - 3.99	•	:	:	: :	:	:	•	Ŏ
3.00 - 3.79 3.50 - 3.99 4.00 - 4.49 5.00 + .99 5.00 + TOTAL MEAN HS(M) = 1.2	:	:	•	: :	:		:	00670000000 151
TOTAL MEAN HS(M) = 1.2	83 4 LADGES	0 0 3T HS(M) 3	Ö - 1 01	Ò Ò	Ò	Ò Ó	Ö	-
115017 - 1.2	O LARGES	n no(n).	- 1.61	MEAN TP(SE	EC) = 5.1	NUMBER C	F CASES =	49
PHAS MAYE SHOP PERC	APPROACH LON. STAR ELINE ANGL ENT OCCURR	2 ANGLE (RE 731, 731, 731, 731, 731, 731, 731, 731,	YEAR HAV LATIVE TO N. 120 61H 0 (DEG 00) OF HE	PE DIRECTION SHORELINE LATING	THE STATIST IN DEGREE ON ENDE	ICAL SUMMA ES)= 45.0 34.60N/120 10.00 ME DIRECTION	RY 71,74.9 TERS	
HEILHT(METERS)	4,4- 6	ė. 0 8 9 1.	9,6- 1 5 10.5	PERIOD(SECO 0.67 11.8- 11.7 13.3)FDS) 13.4- 15	.4- 18.2- 8.1 22.2		TOTAL
- 0.499 - 0.4999 - 1.4999 1.5000 - 2.4999					•	8.1 22.2	LONGER	31
3:30 - 3:49	345 38 : 11 : 2	48 922 46 407 00 174	400 268 128 55	7i 34 131 53 265 97 90 49 41 13	51 15 11 18		: : :	10127 101233 1055753
2.500 - 4.99 3.500 - 4.99	345 38 . 11 . 2	79 2123 757 2123 757 20227 748 4074 748	128 4400 2688 1265 15	131 53 265 97 40 49 444 13 20	51 15 18 5		: : : :	305447 30523555 4005574 105574 105574
3.50 - 2.49 3.50 - 3.99 4.50 - 4.99 5.00 + TOTAL	: 12	248	ĭğ :	131 53 265 97 411 13 444	515 118 5 		: : : : : : :	94473359600 95255960 9715574 40051
0.50 - 0.49 0.50 - 1.49 1.500 - 1.49 1.500 - 2.49 2.500 - 2.49 2.500 - 2.49 4.500 - 4.19 5.00 + 1000	: 12 : : 5343 151	8 23 : 1 : 1 1i 10146	Ĭĝ 5 1448	20 :	5 : 101	Ö Ö	: : : : : : 0	960
MEAN HS(M) = 1.6 PHASE HAVE LAT. SHOR PERCE	5343 151 2 LARGES APPROACH LON STAR ELINE ANGL	*	10 5 1446 4.08 4.08 7 EAR WAYO 17 120.61W 17 120.61W	20 : : : : : : : : : : : : : : : : : : :	5 : 101 C) = 7.6 N STATISTI ON ENDE EN OBETH =	ICAL SUMMA ES)= 75.0 34.60N/120 10.000 ME	RY - 104.9 †ERS	19332
MEAN HS(M) = 1.6 PHASE HAYE LAT SHORE PHEIGHT(METERS)	5343 151 2 LARGES APPROACH LON STAR ELINE ANGL	\$ 23 11 10146 T H5(M) = 	10 5 1446 4.08 4.08 7 EAR WAYO 17 120.61W 17 120.61W	20 : : : : : : : : : : : : : : : : : : :	5 : 101 C) = 7.6 N STATISTI ON ENDE EN OBETH =	ICAL SUMMA ES)= 75.0 34.60N/120 10.000 ME	RY 	960
MEAN HS(M) = 1.6 PHASE HAVE LAT. SHOR PERCE	5343 151 2 LARGES LARGES LON STAR LON S	*	10 5 1448 4.08 4.08 7 4.10 7 10 10 10 10 10 10 10 10 10 10 10 10 10	20 : : 662 246 MEAN TP(SE	5 101 C) = 7.6 N STATIST: ON EXPE PROBETH = R OEPTH = R OEPTH = R OEPTH = R OEPTH = 15.3	CAL SUMMA 54.60N/120 10.60N/120 10.60N/120 10.60N/120 4-18.2-2 10.60N/120 10.60N/120N/120N/120N/120N/120N/120N/120N/12	RY -7104.9 TERS 22.3- LONGER	19332

PHASE 3 WAYE AP LATELI SHORELI PERCENT	PROACH AI PROACH AI N. START NE ANGLE OCCURRE	NGLE(RELA = 34.73N/ = 183.0 NCE(X1000					TICAL EES)= 34.60 = 10.00	SUMMAR 105.0 N/120 N MET	Y - 134.9 71W ERS	
HEIGHT(METERS)	4,4- 6,5	l- 8,1-	9.6- 10.5	PERIOD	(SECOND 11.8- 1 13.3	5) 3.4- 1	5.4- 1 18.1	8,2- 2	2 3- LÖNGER	TOTAL
99999999999999999999999999999999999999	4.4- 6.8 10 10 30 30 30 42		15883	; 3	: : :	:	:	:	LONGER	1 259 259 129 129
99999999999999999999999999999999999999	47 20	i	3 : : 58	3 6 : 18		: : : :	: : : :	: : :	: : : :	2592235010 2592251
MEAN HS(M) = 2.22	LARGEST	HS(M) =	4.53		TP(SEC)	= 7,	9 NUM	BER OF	CA. ES =	279
PHASE 3 WAYE AF LAY C SHOREL PERCENT	ST. 132 PROACH AI DN. START NE ANGLE TOCCURRE	YGLE(RELA = 34.73N/ = 183.0 NCE(X1000							Y - 164.9 71W ERS	
HEIGHT(METERS)	4.4- 6.3	1- 8.1-	9.6- 10.5	PERIOD	(SEÇOND 11.8- 1 13.3	5) 3:4- 1	5.4 ₇ 1	8,2- 2	2.3- LONGER	TOTAL
0.4999999999999999999999999999999999999	i i :	i ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	0	:: : : : : :	13.3 : : : : : :	15.3	18.1 : : : :		i i	2102010000
MEAN HS(M) = 1.29	LARGEST	HS(M) =	2.52	MEAN	TP(SEC)	= 6.	3 NUM	BER OF	CASES =	6
PHASE AF HAVE AF LATER SHOREN PERCENT	3 ST. 132 PROACH A ON. START INE ANGLE TOCCURRE	NGLE(REL) = 34.73% = 183.0 NCE(X1000	(EAR WA ATIVE 120 61 (DÉG)) OF F				TICAL REES)= 34.60 = 10.00	SUMMAP 165.0 N/120 N/120 TION	Y - 180.0 71W ERS	
HEIGHT(METERS)	4,4- 6, 6,0 8	1- 8.1-	9.6- 10.5	PERIOD 10,65	(SECOND 11.8-1 13.3	\$) 3,4- 1	5.4- 1 18.1	.8,2- 2	2.3- LONGER	TOTAL
0 999 0 999 0 1 999 1 1 999 1 1 999 1 999 1 99	1		10.5 :	11.7 : : : : :	13.3	15.3 : : :	18.1	22.2 : : : :	LONGER	100000000000000000000000000000000000000
MEAN HS(M) = 0.08	LARGEST	HS(M) =	0.08	MEAN	TP(SEC)	= 4.	5 NUM	BER OF	CASES =	1





WIS STATION 132 (34.73N/ 120.61W TO 34.60N/ 120.71W) MONTH

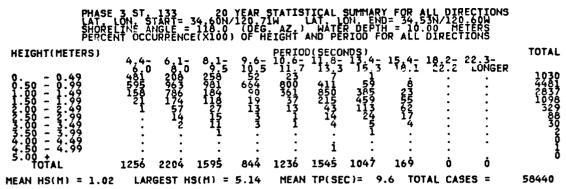
						HUNI	п						
	JAN	FEB	MAP	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890123456789012345 E678900123456789012345 E979090909090909090909	เหม่าอะเจากองการขายให้การของสายเกรียกเลือนการของสายเกรียกเลือนการของสายเกรียกเลือนการของสายเกรียกเลือนการของสา	04/21/11/10/1400/4-10/10/10/2000	Nonder-Liver of the Control of the C	0-109-48-10-49-5-109-9-7-07-9-8	76408767917709099488	0770715700007500070001	4m44-1-10004-1-11-100-000007	73-1320-4215-23-15-4-15-09-7-3	N445-N447-N0042M7-N949	6751-17-9-24587-49-5-684-89-8	ロタタラのようでは、これのこれのことのことのことのことのことのことのことのことのことのことのことのことのことの	414007010101070707576	ZODANJODONIMILIANS TANNOTO ATTICKTORING TO THE TOTAL TO T
MEAN	3.0	3.0	2.6	2.3	1.9	1.8	1.5	1.4	1.4	1.8	2.5	3.1	
		WIS S	L	ARGES			120.		H AND 0 34.			1H)	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	

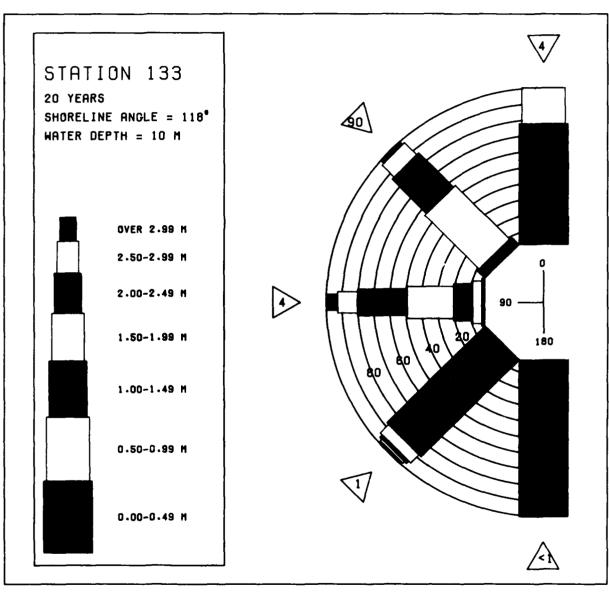
	MAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
R67890123456789012345 R55855666666789012345 E999999999999999999999999999999999999	470-11-100000000000000000000000000000000	471-1220-472-122-122-122-122-122-122-122-122-122-1	4-44-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4	94644M4M4M4M4M4M0MMMM	การสาราชองเกรียงเกา-484-687 การสาราชองเกราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชาวาราชา	กากงงงงงงงากกากงงงากกากงากกา	arcurari-ranamaranamaranamara	ののいくのいて、一つ、一つ、一つ、これでいるいっという。 でいっという。	odvol-indradnosmininaminaminaminaminaminaminaminaminami	NAME AND AND AND AND AND AND AND AND AND AND	466-67-622-68884-66862	9140860000909740010007

20 YR. STATISTICS FOR PACIFIC STATION132 (34.73N/ 120.61W TO 34.6	DN/ 120.71W)
MEAN SIGNIFICANT WAVE HEIGHT	2.2 10.4 90.0 2.7 6.7 181.3 58040303

PHASE WAYE LAT SHORE PERCE	3 ST 133 APPROACH ANG LON. START= LINE ANGLE : NT OCCURRENC	20 YEAR GLE(RELATIVE 34,60H/120 1180 (0)66 E(X1000) OF	NAVE DIRECTIO TO SHORELINE TO SHORELINE THE IGHT AND P	N STATISTIC IN DEGREES ON. END= 34 R DEPTH = 1 ERIOD BY DI	AL SUMMAR)= 0 .53N/120 0.00 MET RECTION	Y - 14.9 60W ERS	
HEIGHT(METERS)			DEPTOD(SECO				TOTAL
99999999999999999999999999999999999999	4,4- 61 994		: : : : : : : : . : . :			LONGEP	994
MEAN HS(M) = 0.12	LARGEST	is(M) = 0.42	MEAN TP(SE	(6) = 4.7	NUMBER OF	CASES =	581
PHASE WAYE LATE SHORE PERCE HEIGHT(METERS)			NAVE DIRECTION TO SHORELINE TO SHORELINE TO SHORE THE PROPERTY OF THE PROPERTY		AL SUMMAR 15.0 53N/120 0.00 MET RECTION	Y - 44.9 60H ERS	TOTAL
	4,4- 6.1	8.1- 9.6	PERIOD(SECO 10.6-11.8- 5 11.7 13.3	13.4- 15.4 15.3 18.	- 18.2- 2 1 22.2	2.3- LONGER	TOTAL
99999999999999999999999999999999999999	4.4- 6.1 27466 19356 56851 73555 1311 256 256851 73555 256851 73555	8,1- 9,6- 13089 : 3689 : 441 : 4 :			•	:	5796 18731 9507 1417 3300 000
TOTAL	9794 19445	6245 0	Ġ Ġ	ò ò	Ò	Ò	0
MEAN HS(M) = 0.84	LARGEST 1	IS(M) = 2.26	MEAN TP(SE	(C) = 6.8	NUMBER OF	CASES =	20741
PHASE WAYE LATORE PERCE	3 ST. 133 APPROACH ANG LON. START= LINE ANGLE : NT OCCURRENG	20 YEAR I 5LE(RELATÎVE 34.60N/120 118.0 (DEC	NAVE DIRECTION TO SHORELINE TIM LAT.E HEIGHT AND P	N STATISTIC IN DEGREES ON. END= 34 R DEPTH = 1 ERIOD BY DI	AL SUMMAR)= 45.0 .53N/120. 0.00 MET RECTION	Y 74.9 60W ERS	
PHASE WAYE LAT SHORE PERCE HEIGHT(METERS)				N STATISTIC IN DEGREES ON. END= 34 R DEPTH = 1 ERIOD BY DI	AL SUMMAR)= 45.0 .53N/120. 0.00 MET RECTION - 18.2- 2	Y 74.9 60W ERS	TOTAL
	3 ST . 133 NA PRED 13 A PR	8 915 10212 8 915 6698449 10104130 1235 10104130 1235 20104130 20104 20	PERIOD(SECO 5 11 6 7 1 3 8 3 7 1 3 8 3 8003 4117 367 2156 131 436 136 6 13 1 436 1 1 6 1 3 1 3 1 3 4 9 9	NDS) 4- 15.4 15.43 18.8 15.43 18.8 15.43 18.4 15.43 18.4 15.43 18.4 10.50 1 1733	- 18 2- 2 1 22.2 8 6	2.3- LÖNGER : : : : : : : :	160055579940 160770962 150892 21992
HEIGHT(METERS)	4.4- 6.1 6.0 10 147 213 127 2552 6. 241 	8 915 10212 8 915 6698449 10104130 1235 10104130 1235 20104130 20104 20	PERIOD(SECO 5 11 6 7 1 3 8 3 7 1 3 8 3 8003 4117 367 2156 131 436 136 6 13 1 436 1 1 6 1 3 1 3 1 3 4 9 9	150 150 150 150 150 150 150 150	- 18 2- 2 1 22.2 8 6	2.3- LÖNGER : : : : : : : :	160055579940 160770962 150892 21992
HEIGHT(METERS) 0.49 0.799 0.500 - 0.999 1.500 - 1.949 2.500 - 3.999 2.500 - 3.999 4.500 - 3.999 4.500 - 1.499 5.00 + 449 TOTAL MEAN HS(M) = 1.14 PHASE HAYE SHORE	4.4- 6.10 4.5- 1.03 14.7- 2.13 1.28- 2.55 1.28- 2.41 1.28- 2.41 1.29- 2.41 1.20- 1.51 1.20- 1.51 1.20- 1.51 1.20- 1.51 1.20- 1.51	8 1- 9 6 1 10 10 10 10 10 10 10 10 10 10 10 10 1	PERIOD (SECOND SECOND S	150 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 6 1 1 6 1	- 18.2- 2 1 22.2 8 6 6 20 NUMBER OF AL SUMMAR 1=375.20 0.500 (18.5)	2.3- LÓNGER 	219943053339944 219943053339944 219943053339944 10
HEIGHT(METERS) 0.50 - 0.49 0.50 - 1.49 1.500 - 2.49 2.500 - 2.49 2.500 - 3.49 3.500 - 3.49 3.500 - 4.49 4.500 - 4.50 5.00Tal	44- 61- 42- 61	8 1- 969 1280 6538 1280 6538 1713 1844 251 170 251 170	PERIOD (SECOND SECOND S	150 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 6 1 1 6 1	- 18.2- 2 1 22.2 8 6 6 20 NUMBER OF AL SUMMAR 1=375.20 0.500 (18.5)	2.3- LÓNGER 	2195620 218943053339 2258922 2258922 140 35037
HEIGHT(METERS) 0.49 0.799 0.500 - 0.999 1.500 - 1.949 2.500 - 3.999 2.500 - 3.999 4.500 - 3.999 4.500 - 1.499 5.00 + 449 TOTAL MEAN HS(M) = 1.14 PHASE HAYE SHORE	4.4- 6.10 4.5- 1.03 14.7- 2.13 1.28- 2.55 1.28- 2.41 1.28- 2.41 1.29- 2.41 1.20- 1.51 1.20- 1.51 1.20- 1.51 1.20- 1.51 1.20- 1.51	8 1- 969 1280 6538 1280 6538 1713 1844 251 170 251 170	PERIOD (SECO 13.3 8003 4117 13.6 117 13	150 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 6 1 1 6 1	- 18.2- 2 1 22.2 8 6 6 20 NUMBER OF AL SUMMAR 1=375.20 0.500 (18.5)	2.3- LÓNGER 	219943053339944 219943053339944 21995962 2199562 2199562 2199562 2199562 2199562 2199562 2199562 2199562 21995662 2199562 2199562 2199562 2199562 2199562 2199562 2199562 2199

	3 ST. PPROAC ON. ST INE AN T OCCU	133 H ANGLI ARI = 39 GLE = PRENCE	20 Y E(RELA 160N/ 11400					TICAL EES)= 34.53 = 10.0 DIREC	SUMMAR 105.0 N/120 0 ME TION	2Y - 134.9 60H TERS	
HEIGHT(METERS)	4,4-	6,1-	8,1-	9.6- 10.5	PERIOD 10.65	13.3	5) 3.4 <u>-</u> 1	5.4~ 1 18.1	8.2- 2	2.3- LONGER	TOTAL
0 0.49	4.4-0 5401 5401 15	6.1-0 318 3137 478	89 ¹ 5 25	10.5 8	11.7	13.3	15.3	18.1	22.2	LONGER	861 128
99999999999999999999999999999999999999	25 15	13 37	. 3	:	:	:	:	:	:	:	18850130000 81
2.00 - 2.49 2.50 - 2.99 3.00 - 3.49	:	47 8	1533	:	:	:	:	:	:	•	62 11
3.50 - 3.79 4.00 - 4.49	:		:	:	:	:	:	:	:	•	ŏ
4.50 - 4.99 5.00 +	641	457	52	å		Ā	6	Å		Å	8
- 0.499 - 0.4999 - 1.500 - 1.22.499 - 1.500 - 1.499 - 1.500 -		EST HS		3.19	MEAN	TP(SEC)	= 5.	9 NUM	BER OI	CASES =	682
PHASE A LAT L SHOREL PERCEN	3 ST PPROÁC ON. ST INE AN T OCCU	133 H ANGLI ART= 36 GLE = RRENCE	20 Y E(RELA 4 60N/ 118 0 (X1000	EAR HA TIVE T 120.71 (DEG) OF H	VE DIR O SHOR H Z) EIGHT	ECTION ELINE I AT. LON HATER AND PER	STATIS N DEGR END= DEPTH IOD BY	TICAL EES)= 34.53 = 10.0 DIREC	SUMMAR 135.0 N/120 O MET TION	2Y - 164.9 60W ERS	
HEIGHT(METERS)	4.4-	6 ₈ 1-	8 ₀ 1-	9.6- 10.5	PERIOD	(SECOND 113.3	S) 3.4- 1	5.4- 1 18.1	8.2 <u>-</u> 2	2 3- LONGER	TOTAL
0 0.49	4,4- 610 451	8.0	9.5	10.5	11.7	13.3	15.3	18.1	22.2	LONGER	45]
99999999999999999999999999999999999999	:	:	:	:	:	:	:	:	:	:	451000000000000000000000000000000000000
2.00 - 2.49 2.50 - 2.93	:	:	:	:	:		:	•	:	•	Ŏ
3:50 - 3:49	:	•	•	•	•	•	:	•	•	•	ŏ
4.50 - 4.49 4.50 - 4.99 5.00 +			:	:	:	:				:	ŏ
TOTAL MEAN HS(M) = 0.05	451	0 EST HS	0 (M) =	0.13	U Mean	TP(SEC)	= 4.	9 7 Nam	D RFD OI	D CASES =	264
Heat Hothy - Ctos	LANC		,	•••	· · ·	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- 4.	, 1101.	DEIX O	ONDEO -	204
	3 ST PPROAC ON. ST INE AN T OCCU	133 H ANGLI ART = 34 GLE = 34 RRENCE	20 Y (RELA 1600 11600		VE DIR O SHOP W Z.) EIGHT	ECTION ELINE I AT LON WATER AND PER	STATIS N DEGR END= DEPTH IOD BY	TICAL EES)= 34.53 = 10.0 DIREC	SUMMA! 165.0 N/120. 0 ME1 TION	RY - 180.0 60W TERS	
HEIGHT(METERS)	46.0	6 ₈ 1-	8,1-	9.6- 10.5	PERIOD 10.6-	(SECOND 113.3	S) 3.4~ 1	5.4- 1 18.1	8,2- 2	2 3- LONGER	TOTAL
9:50 - 9:49 9:50 - 9:99	6.0	0.V	7.5	10.5	11.7	13.3	19.3	10.1		LUNGER	8
0.50 - 0.49 1.50 - 1.49 2.50 - 2.49	•	:	:	:	:	:	:		:	:	ğ
01122m344 01122m344 01122m344 00000000000000000000000000000000000	:	:	:	:	:	:	:	:	:	•	0000000000000000
3:50 - 3:33 4:00 - 4:49	:	:	:	:	:	:	:	:	:	•	000
4.00 - 4.49 4.50 - 4.99 5.00 +									į		0
ŤOŤAL MEAN HS(M) = 0.	I VBU	O EST HS	U (M) =	O.	U MFAN	TP(SEC)	ະ = 0.	U MIM	e Beb us	U F CASES ≃	
				- •			٠.	,,,,,,,	0	THUE T	•



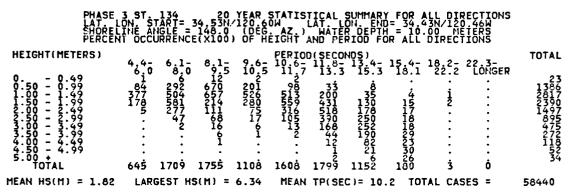


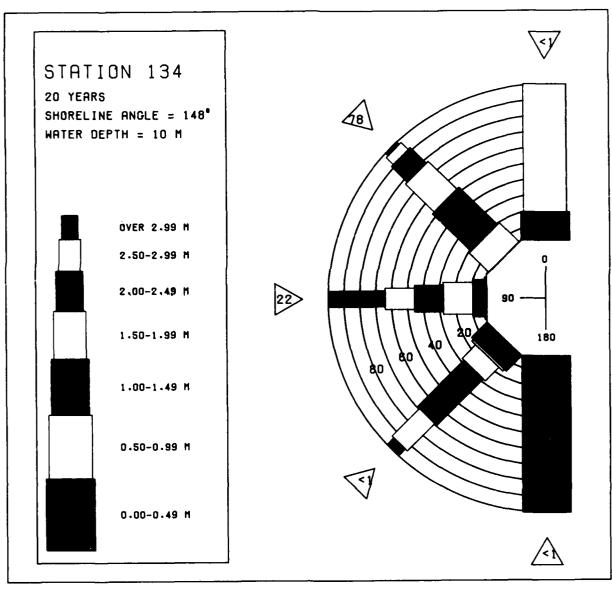
WIS STATION 133 (34.60N/ 120.71W TO 34.53N/ 120.60W)

		WTO O	12110	11 133	() 1	MONT	120.	/ API	U J4.	93IV	120.0	UM,	
	JAN	FEB	MAR	APR	MAY	THOM	JUL	AUG	SEP	ОСТ	NOV	DEC	
R67890123456789012345 F9999966666789012345	4-17-4-76-457-24-5-45-4-6-800	20077400-000-000777700-00	Onto Onto the state of the stat	0049-109-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	0000000011100110011110	100000000111001001111111	7687558707777987801139	8666615668666676778997	000000000000000000000000000000000000000	00010010000100000000	79991920919947384196	17677716777041674501	MO-11-100-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
MEAN	1.4	1.5	1.2	1.1	0.9	0.9	0.8	0.7	0.7	0.8	1.0	1.4	
		WIS S	L	ARGES N 133		METER .60N/ MONT	120.		H AND 0 34.		120.6	OM)	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOA	DEC	
Y1111111111111111111111111111111111111	ついんのつんないようかんのかんかっかんかっかんかっかんかっかんかんかんかんかんかんかんかんかんかんか	CONTRACTOR CONTRACTOR	00000000000000000000000000000000000000	07-80-80-80-80-80-80-80-80-80-80-80-80-80-	67.060.060.1048.100.101.00.10	7966mm209994706780971	Non-igourngu-muoon.cog4	Interior de la la la la la la la la la la la la la	147770-1-10014-1-004476010	441675688714867564758		P.O.4-canon-landon-landan-landon-land	
20 YR.			S FOR			TATIO	N133	(34.6	ON/ 1			34.53N	
MEAN P MEAN P MOST F STANDA STANDA	EAK WERD DE	AVENA NT 30 VIATI	WAVE ERIOD ON OF ON OF	HEIG GRÉE HAVE WAVE		ĖR) Ď	IŘEČT	ion ė	AND	: : }	METER SECON DEGRE METER SECON	105) 155) 105)	1.0 60 3.0 3.0

PHASE HAVE SHORE PERCEN	3 ST 134 APPROACH A LON. START INE ANGLE NT OCCURRE	NGLE(REL) 148.0 148.0 NCE(X100	(EAR WA TIVE T 120.60 (DEG.	VE DIR O SHOR W AZ) IEÎGHT	ECTION ELINE I AT LON WATER AND PER	STATI N DEG L END DEPTH LOD B	STICAL REES1= = 34.4 = 10 Y DIRE	SUMMA 0 3N/120 00 ME CTION	RY - 14.9 TERS	
HEIGHT(METERS)		1.0 8 9.5							22.3- LÖNGER	TOTAL
- 0.49 - 0.99 - 1.99 - 1.99	i : : : :	· · · · · · · · · · · · · · · · · · ·			13.3 : : : :				: : : : : :	1000000000
11EAN 115(11) - 0.01	LARGES	THS(M) =	0.01	HEAN	IF(SEC)	- 4	.5 NL	NIDER U	F CASES :	= 1
	3 ST 134 APPROACH / LON. START LINE ANGLE NT OCCURRE								RY 44.9 TERS	
HEIGHT(METERS)	4,4- 6	1,0 8,1-	9,6- 10.5	PERIOD 10.6- 11.7	(SECOND 11:8- 1	15.3 15.3	15.4- 18.1	18,2- 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999	4,4- 6, 6,0 8, 735 46, 3478 176 1238 176	. 15	•	•	•	•	•	•	:	42 12948 11948 11948 11948 11948
4.50 - 4.99 5.00 + TOTAL	5467 387	: : 1 6	å	ò	ò	ō	ċ	ċ	ċ	Ŏ
MEAN HS(M) = 1.35		HS(M) =	2.99	MEAN	TP(SEC)	= 6	.0 NU	MBER O	F CASES =	5465
PHASE MAYE LATE SHORE PERCEI	3 ST. 134 APPROACH / LON. START LINE ANGLE NT OCCURRE	NGLE (20) NGLE (REL) = 34,53N/ = 148.0	EAR WA TIVE T 120.60 (OEG)) OF H	VE DIR O SHOR W AZ)	ECTION ELINE I AT. LON WATER AND PER	STATI N DEG N END DEPTH	STICAL REES)= = 34.4 = 10.	SUMMA 45 0 3N/120 00 ME CTION	RY 	
PHASE WAYE SHORE IN THE IGHT (METERS) - 0.499 - 1.499 - 2.499 - 2.499 - 2.499 - 2.499 - 2.499 - 2.499 - 2.499 - 2.499	3 ST ACH RI APPRO STAGLI ON E COURT STAGLI NT OCCUR 4 6 0 23595 4 6 0 27595 4 72 27595 4 72 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		A CO H R E 60 H 11200F 6 72946645 910275913 9272 113	VE SHORL SHOR SHORL SHORL SHORL SHORL SHORL SHORL SHORL SHORL SHORL SHORL SHOR	ELT - AND ELS -	A DEED - 3 A DEED - 3 B D D - 3 B D D - 3 B D D D - 3 B D D D - 3 B D D D D D D D D D D D D D D D D D D D	1 4 - 1 - 4 - 1 - 4 - 1 - 4 - 1 - 4 - 1 - 1	SUMMA 3N/120 00 ME CTION 18.2- 22.2 15.11	RY 74.9 146HS 22.3- LONGER	TOTAL 208 126410 2044114 144114 95500
HEIGHT(METERS) 0.50 - 0.49 0.50 - 0.99 1.00 - 1.49	4.4-0 9.059 2.759 4.30 2.759 4.32 4.33 2.759 4.32 4.33 4.33 4.33 4.33 4.33 4.33 4.33		9101294 101294 2024591 2024591 1135 1135 1135 1135 1135 1135 1135 1	PER 100-7 9112745931199311	(SECONDI 11.3.63.3 10.	- 3 4 - 3825565660 5 5 8406255660	CS910 4. 62342786930 TES910 8 4455673065 TES 1 111222365	50MMA0 3N/120 3N/120 CTION 18.2-2 15 11 1 28	RY 74.9 46W TERS 22.3- LONGER 	
HEIGHT (METERS) 0.499 -0.499 -0.499 -0.5000 -1.5000 -1.5000 -1.5000 -1.5000 -1.5000 -1.5000 -1.5000 -1.5000 -1.5000 -1.5000 -1.5000	4.4- 6 6.0 24 275 35 479 35 32 25 33 31 31 31	8 9 3 3 0 3	9101-5 -5-72944 -1011-35-5 -13-5-2 -13-5-2 -13-5-2 -13-5-2 -13-5-5 -13-5-2 -13	PER 10D 10-7 9887 9853 1033 1033 1033 1033 1033 1033 1033 10	(SECOND 113.3 33.3 192833 19282 192823 19282 192823 19282 192823 192823 192823 192823 192823 192823 192823 192823 192823	- 3 4 - 3825505050040 9 - 5 - 84062551152 9 - 5 - 84062551152 9 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -	151 14556786930 14556786930	18.2- 22.2 15. 15. 11.	RY 74.9 146W 74.9 16RS 22.35 LONGER 	20400414336 20400444551457 205044455153
HEIGHT (METERS) 0 - 0 - 499 0 - 0 - 999 1 - 0 - 999 1 - 0 - 999 1 - 0 - 999 1 - 0 - 1 - 999 2 - 0 - 1 - 999 2 - 0 - 1 - 999 2 - 0 - 1 - 999 2 - 0 - 1 - 999 3 - 0 - 1 - 999 4 - 0 0 - 1 - 499 5 - 0 0 + 499 5 - 0 0 + AU MEAN HS(M) = 1.85	4.4- 6 6.0 24 275 35 479 35 32 25 33 31 31 31	8 1 5 7 67630 65643 8 20026 10 10 10 10 10 10 10 10 10 10 10 10 10 1	906-5 11-1-2-6 11-2-6	PER 6 3 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	(SECONDI 113,3 13,3 10,000 1 12,000 1 12,000 1 12,000 1 1143 1 1143 1 1716 11 1716 11 1716 11 1716 11 1716 11	13 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1518 44555673065 14555673065 17775673065 17775673065	18.2-2 2.2-2 15 11.1 28 MBER 0	22.3- LONGER	20081 20081
HEIGHT (METERS) - 0.49 0.50 - 0.49 1.500 - 1.99 2.500 - 2.99 2.500 - 3.49 2.500 - 4.49 2.500 - 4.49 5.500 - 4.49 5.500 - 4.59 4.500 - 4.59 4.500 - 4.59 4.500 - 4.50 PHASE LATE SHORE HEIGHT (METERS)	4.4-6 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	1- 8 -1 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	906-5 11-1-2-6 11-2-6	PER 6 3 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	(SECONDI 113,3 13,3 10,000 1 12,000 1 12,000 1 12,000 1 1143 1 1143 1 1716 11 1716 11 1716 11 1716 11 1716 11	13 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	151 4455673065 NU A) . 6 4455673065 NU A) . 6 4455673065 NU A) . 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	18.2-2 2.2 15.1 11.1 2.8 MBER 0 30.1 10.1 10.1 10.1 10.1 10.1 10.1 10.	22.3- LONGER : : : 0 F CASES = RY 104.9 †ERS	208 125400 204514 125406 114414 275506 11567 317 = 51654
HEIGHT (METERS) 0 - 0 - 499 0 - 0 - 999 1 - 0 - 999 1 - 0 - 999 1 - 0 - 999 1 - 0 - 1 - 999 2 - 0 - 1 - 999 2 - 0 - 1 - 999 2 - 0 - 1 - 999 2 - 0 - 1 - 999 3 - 0 - 1 - 999 4 - 0 0 - 1 - 499 5 - 0 0 + 499 5 - 0 0 + AU MEAN HS(M) = 1.85	4.4-6 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	1 - 0	906-5 11-1-2-6 11-2-6	PER 6 3 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	(SECOND 113,3 133,3 133,3 142,83 142,83 153,773 1643,4 114,3 771,6 11	13 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	151 4455673065 NU A) . 6 4455673065 NU A) . 6 4455673065 NU A) . 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	18 2-2 22 1 15 1 1 1 28 MBER 0 575 20 10 N	22.3- LONGER	20081 20081

PHASE A WAYE A LAT SHOREL PERCEN	3 ST 134 PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIV 34.53N/120 148.0 (D E(X1000)	HAVE DIR VE TO SHOP 1.60W L DEG. AZ.) PF HEIGHT	ECTION ELINE I AT. LON WATER AND PER	STATISTIC N DEGREE END = 3 DEPTH = LOD BY D	CAL SUMM/ 5)= 105.0 4.43N/120 10.00 ME TRECTION	RY) - 134.9) 46W ETERS	
HEIGHT(METERS) 0:50 - 0:49	46.0 65.7 : i	8 9 1 5 9 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6- 10 6- 0.5 11.7	11.8- 1 13.3	§) 3.4~ 15.6 15.3 18	18.2- 1 22.2	22.3- LONGER	TOTAL 7
0.4999999999999999999999999999999999999	13 10 5 25 . 49	29 32 29 10	· · · · · · · · · · · · · · · · · · ·	•	: :		:	09c12:3320
	: 1å 6å	: 107 1	. 3 i i	ò		ò ò	ò	
MEAN HS(M) = 2.55 PHASE		S(M) = 4.7 20 Year		TP(SEC)			OF CASES =	140
WAVE A LAT. SHOREL PERCEN HEIGHT(METERS)	3 ST 134 PPROACH ANG ON. START= INE ANGLE = T OCCURRENC	LE(ŘÉLAŤÍ) 34.53N/120 148.0 E(X1000)						TOTAL
	46.0 6810	8,1- 9 9.5 10	6- 10.6- 11.7	11.8-11	3.4- 15.4 15.3 18	18.2-	22.3- LONGER	,
0.4999999999999999999999999999999999999				:	:			0000000000
	: : ò	: ò	: :	: : ò	ò	 	: :	0
MEAN HS(M) = 0.26		S(M) = 0.3		TP(SEC)			F CASES =	4
PHASE A HAVE A LAT. L SHOREL PERCEN	3 ST. 134 PPROACH ANG ON. STARTS INE ANGLE = T OCCURRENC	20 YEAR LE(RELATIV 34.53N/120 148.0 (0 E(X1000)						
HEIGHT(METERS)	4,4- 6,1-	8,1- 9	6- 10.6- 1.5 11.7	11.8~ 1 13.3	5) 3.4- 15.4 15.3 18	- 18.2- 1 22.2	22.3- LONGER	TOTAL
99999999999999999999999999999999999999				•				0000
0.4999999999999999999999999999999999999		•		•	:		:	0000000000
	 	Ö	0 0	0	O	 5		•
MEAN HS(M) = 0.	LARGEST H	S(M) = 0.	MEAN	TP(SEC)	= 0.	NUMBER (OF CASES =	0





MEAN HS(METERS) BY MONTH AND YEAR HIS STATION 134 (34.53N/ 120.60W TO 34.43N/ 120.46W)

MONTH

						110111	••						
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
R67890125456789012545 E655566666666677777777777711111111111111	NAMANANANANANANANANANANANANANANANANANAN	MODOSONA-HIMOSONAMANAMANA	母のいっということのないとしていることのできない。	775595977079707570270245	44205445674477567055	7400-01-077490047-0980	2007-00-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	4-10-100-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	00-10000004-114-1-1-1-1-1-1-1-1-1-1-1-1-	Service of the servic	700007700000000000000000000000000000000	OLD SAND COLO CANADANA COLO COLO CANADANA COLO CANADA COLO CAN	M-111-11-11-11-11-11-11-11-11-11-11-11-1
MEAN	2.5	2.6	2.2	1.9	1.6	1.5	1.3	1.2	1.2	1.5	2.0	2.6	
			L	ARGES	T HS(METER	S) BY	MONT	'H AND	YEAR	}		

LARGEST HS(METERS) BY MONTH AND YEAR
WIS STATION 134 (34.53N/ 120.60W TO 34.43N/ 120.46W)

MONTH

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	NOV DEC
149-159-240-694-160-11-17-7-18-18-18-18-18-18-18-18-18-18-18-18-18-	M-10-17-94-10-10-9-10-10-10-9-10-9-10-9-10-9-10

20 YR. STATISTICS FOR PACIFIC STATION134 (34.53%/ 120.60W TO 34.43M/ 120.46W)

MEAN SIGNIFICANT WAVE HEIGHT (METERS)	1.8
MEAN PEAK WAVE PERIOD (SECONDS)	10.2
HOST FREQUENT 30.0 DEGREE (CENTER) DIRECTION BAND (DEGPEES)	6Q.Q
STANDARD DEVIATION OF WAVE THE	y.ş
LARGEST WAVE HS LARGEST WAVE HS (METERS) LAVE TP ASSOCIATED WITH LAPGEST WAVE HS	6.3
LARGEST MAVE HS WAVE TP ASSOCIATED WITH LARGEST WAVE HS OF LARGEST HS OCCURRENCE IS (YR, MO, DA, HR)	6.3 16.7
DATE OF LARGEST HS OCCURRENCE IS (YR.MO.DA.HR)	4012464
DATE OF LARGEST RS OCCURRENCE IS (TR) TO , DA , TR)	02155000

Appendix F: Maximum Wave Height Return Period Table

Table F1 Maximum Significant Wave Height at Phase III Stations for Various Return Periods

tation			<u>Return Perio</u>	od, Years		
No.	21	10_	7	<u>5</u>	_3_	1
1	7.5	7.3	7.3	7.3	6.7	6.
2	7.3	7.2	7.0	6.7	6.6	6.
3	7.5	7.3	7.3	7.3	6.7	6.
4	7.6	7.5	7.4	7.4	7.2	6.
5	7.7	7.7	7.4	7.4	7.1	6.
6	7.4	7.3	7.2	7.1	7.0	6.
7	7.7	7.6	7.4	7.3	7.1	6.
8	6.9	6.9	6.8	6.8	6.7	6.
9	7.0	7.0	6.7	6.7	6.5	6.
10	7.0	6.9	6.8	6.8	6.5	6.
11	7.0	6.9	6.8	6.8	6.5	6.
12	7.0	6.9	6.8	6.7	6.6	6.
13	7.0	6.9	6.8	6.7	6.6	6.
14	7.3	7.3	7.3	7.3	7.0	6.
15	7.4	7.3	7.2	7.2	7.1	6.
16	7.2	7.1	6.9	6.8	6.6	6.
17	7.1	7.0	6.9	6.8	6.6	6.
18	7.2	7.1	6.9	6.8	6.6	6.
19	7.5	7.3	7.2	7.2	6.9	6.
20	7.5	7.2	7.2	7.2	6.9	6.
21	7.3	6.9	6.9	6.7	6.6	6.
22	7.1	6.9	6.8	6.8	6.5	6.
23	7.4	7.1	7.0	6.8	6.6	6.
24	7.3	6.9	6.9	6.7	6.6	6.
25	7.4	7.2	7.1	6.9	6.8	6.
26	7.4	7.2	7.2	7.0	6.9	6.
27	7.4	7.3	7.2	6.9	6.9	6.
28	7.4	7.2	7.1	6.9	6.8	6.
29	7.2	6.9	6.8	6.8	6.6	6.
30	7.2	6.9	6.8	6.8	6.6	6
31	7.3	7.2	7.2	7.2	6.8	6
32	7.3	7.2	7.2	7.0	6.8	6
33	7.3	7.2	7.2	7.1	6.8	6
34	7.2	7.2	7.0	7.0	6.9	6
35	7.3	7.3	7.3	7.1	7.0	6
36	7.3	7.3	7.2	7.1	7.0	6
37	7.2	7.2	7.1	7.1	6.9	6.
38	7.2	6.8	6.8	6.7	6.6	6
39	7.2	6.9	6.8	6.7	6.6	6.
40	7.5	7.2	7.2	7.1	6.8	6.

F3

Table F1 (Continued)

Station	Return Period, Years							
No.	21	10_	_7_	_5_	_3_	1		
41	7.4	7.2	7.2	7.0	6.8	6.5		
42	7.3	7.2	7.2	7.0	6.8	6.5		
43	7.4	7.2	7.1	7.1	6.9	6.6		
44	7.3	7.2	7.1	7.0	6.8	6.6		
45	7.2	7.2	7.1	7.0	6.8	6.5		
46	7.0	6.9	6.9	6.8	6.7	6.4		
47	7.7	7.1	7.1	7.0	6.9	6.6		
48	7.4	7.1	7.1	6.9	6.8	6.5		
49	7.4	7.0	7.0	6.9	6.8	6.5		
50	7.2	6.9	6.9	6.8	6.7	6.4		
51	7.8	7.7	7.3	7.1	7.1	6.7		
52	8.0	7.7	7.1	7.1	6.9	6.5		
53	7.8	7.1	7.1	7.1	6.9	6.6		
54	7.8	7.7	7.1	7.0	6.9	6.6		
55	7.8	7.6	7.1	7.0	6.9	6.6		
56	7.8	7.5	7.2	7.1	7.0	6.5		
57	7.8	7.3	7.2	7.0	6.5	6.3		
58	7.8	7.0	7.0	7.0	6.9	6.5		
59	7.7	6.9	6.9	6.9	6.8	6.4		
60	7.9	7.7	6.8	6.7	6.4	6.0		
61	7.8	7.7	7.0	6.9	6.8	6.5		
62	7.8	7.4	7.0	6.9	6.9	6.5		
63	7.8	7.1	7.0	6.9	6.9	6.5		
64	7.3	7.1	7.0	6.7	6.6	6.3		
65	7.1	7.1	6.9	6.6	6.6	6.3		
66	7.7	7.2	7.0	6.8	6.8	6.4		
67	7.8	7.2	7.1	7.0	6.9	6.4		
68	7.7	7.2	6.8	6.7	6.6	6.4		
69	7.6	7.1	6.8	6.7	6.6	6.4		
70	7.6	7.1	6.7	6.7	6.6	6.4		
71	7.7	7.2	6.8	6.7	6.7	6.4		
72	7.1	7.0	6.8	6.6	6.5	6.3		
73	7.7	7.4	7.0	6.8	6.6	6.2		
74	7.7	7.2	7.1	7.0	6.7	6.4		
75	7.0	6.8	6.6	6.4	6.3	5.8		
76	6.7	6.6	6.5	6.4	6.1	5.5		
77	7.5	6.9	6.8	6.7	6.5	6.1		
78	7.0	6.8	6.5	6.4	6.2	5.7		
79	7.2	6.9	6.5	6.4	6.3	5.8		
80	7.7	7.2	6.8	6.8	6.5	6.2		

(Continued)

(Sheet 2 of 4)

Table F1 (Continued)

Station	Return Period, Years							
No.	21	10	7	<u>5</u>	_3_	1		
81	7.7	7.2	6.0	6.0	<i>.</i> -			
82	7.2	7.2	6.9	6.8	6.5	6.		
83	7.2		6.9	6.8	6.4	6.		
84		7.2	6.9	6.8	6.4	6.		
85	7.4	7.2	6.8	6.5	6.4	6.3		
86	7.4	7.1	6.5	6.4	6.2	6.0		
	7.4	7.4	7.2	6.6	6.6	6.		
87	7.4	7.1	6.9	6.8	6.6	6.3		
88	7.0	6.9	6.8	6.5	6.1	5.6		
89	6.9	6.8	6.1	5.9	5.8	5.2		
90	6.9	6.9	6.3	6.0	5.8	5.3		
91	6.9	6.9	6.3	6.1	5.8	5.3		
92	6.3	6.3	5.9	5.7	5.2	4.6		
93	6.8	6.6	6.6	6.6	6.1	5.7		
94	7.0	6.9	6.8	6.6	6.5			
95	6.7	6.6	6.5	6.4		6.2		
96	7.0	6.8	6.7	6.6	6.0	5.5		
97	7.0	6.6	6.6	6.6	6.4	6.2		
98	5.1	5.0	4.9		6.5	6.2		
99	6.3	5.6	5.2	4.8	4.1	3.3		
100	5.0	5.0		5.0	4.8	4.1		
	3.0	3.0	4.9	4.8	4.1	3.3		
101	6.2	6.0	5.6	5.2	4.9	4.5		
102	7.0	6.9	6.6	6.5	6.3	6.1		
103	6.9	6.8	6.6	6.6	6.5	6.2		
104	7.0	6.9	6.6	6.6	6.4	6.1		
105	7.0	6.9	6.6	6.4	6.2	5:9		
106	7.3	6.9	6.8	6.7	6.5	6.1		
107	7.1	7.0	6.6	6.4	6.2	5.9		
108	6.5	6.3	6.1	5.7	5.4	4.9		
109	6.5	5.7	5.6	5.6	5.0			
110	5.3	5.2	4.3	4.0	4.0	4.5 3.2		
111	<i>c. I.</i>	()						
112	6.4	6.3	6.0	5.8	5.3	4.6		
	7.1	6.8	6.8	6.6	6.4	6.0		
113	6.6	6.5	6.5	6.4	6.2	6.0		
114	7.1	6.9	6.6	6.4	6.2	6.0		
115	7.2	6.9	6.8	6.6	6.4	6.0		
116	5.4	5.4	5.4	5.1	4.6	4.0		
117	5.6	5.5	5.4	5.4	4.5	4.0		
118	6.6	6.6	6.4	6.3	6.0	5.3		
119	6.5	6.3	6.2	6.1	5.9	5.1		
120	6.5	6.2	5.9	5.9	5.5	4.6		

(Continued)

(Sheet 3 of 4)

Table F1 (Concluded)

Station		Return Period, Years								
No.	21	10	7	_5_	_3_	_1_				
121	6.6	6.6	6.6	6.4	6.1	5.9				
122	5.5	4.4	4.4	4.2	3.7	3.0				
123	6.6	6.4	6.2	6.1	6.0	5.2				
124	5.7	5.6	5.4	5.2	5.0	4.2				
125	5.5	4.4	4.4	4.2	3.6	3.0				
126	6.7	6.4	6.4	6.4	6.2	6.0				
127	5.6	5.5	5.5	4.8	4.5	3.8				
128	5.5	4.4	4.3	4.2	3.5	2.9				
129	6.7	6.7	6.6	6.4	6.2	6.0				
130	5.7	5.3	5.3	5.0	4.8	4.1				
131	6.7	6.5	6.5	6.3	6.2	6.0				
132	6.7	6.5	6.4	6.3	6.2	6.0				
133	5.1	4.9	4.9	4.0	3.8	3.4				
134	6.3	6.1	6.1	6.0	5.9	5.1				